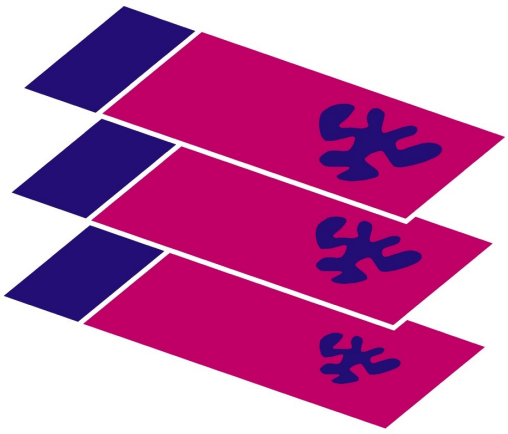

3DHISTECH

MIRAX E-School

1.11

User's Guide

July 4, 2008

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Font Types and Symbols

Example	Abbreviation or term that is explained in section Terms and Abbreviations (page 6).
Example	Words or characters that appear on the screen. These include field names, screen titles, pushbuttons and menu names, paths or options. Keys on the keyboard. For example, function keys (such as **F11**) or the **Ctrl+O** key combination.
Example	Cross-references to other documents.
Warning!	Indicates that you need an additional module to use the feature or that there are prerequisites for the task.
Important!	Contains an important piece of information or a recommendation. The application will work if you choose not to follow the recommendation but its performance might be less than optimal.
Tip!	Contains a suggestion about using the application in some other way or to some interesting purpose.

Terms and Abbreviations

Annotation	A particular detail of a digitized slide.
Slide	A MIRAX Slide, an interactive, digital slide: A dynamic, interactive image that you can manage, save, magnify, zoom, name, stain, evaluate, complete it with your professional annotation, marks and remarks, send to a collegue electronically for co-operation or advice, etc.
Thumbnail	A static preview image of the MIRAX Slide.

1 About MIRAX E-School

E-School consists of 2 main parts: E-School Publisher and E-School Exam.

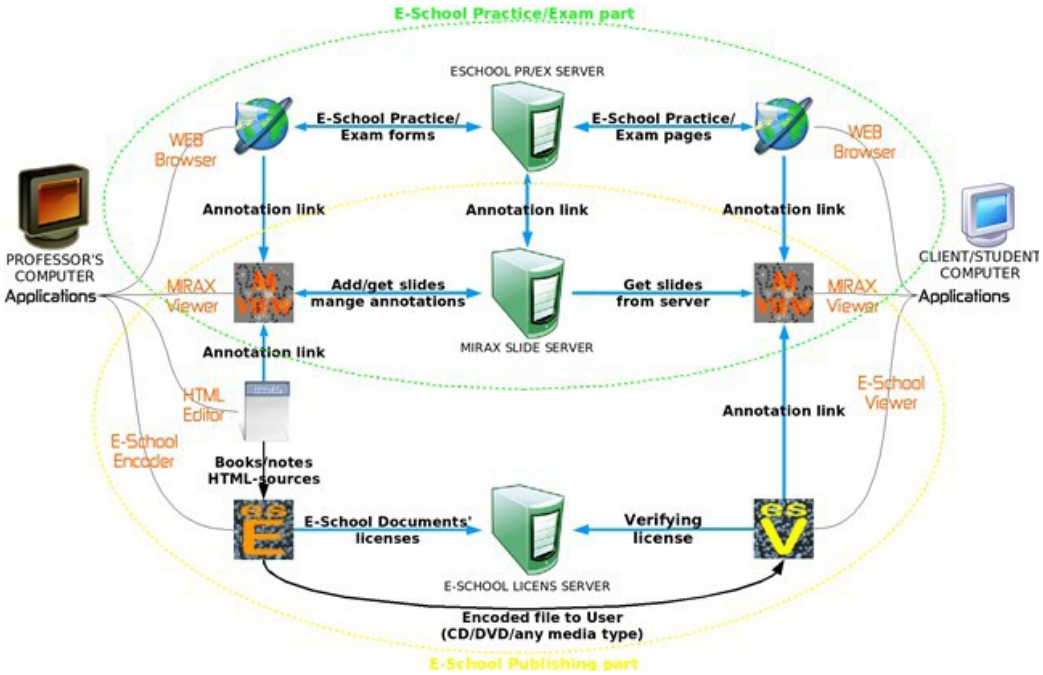
E-School Publisher: With E-School Publisher, you can encode HTML material to ESD (E-School Document – a special file format, output of the E-School Encoder software) that includes pictures of the slides digitized with MIRAX scanners or you can link MIRAX slides that the students can open in MIRAX Viewer. ESD-files can only be opened with the E-School Viewer.

E-School Exam is a web-based product, designed for testing and self-testing.

E-School is not integrated to the MIRAX product family as a module. However, if you install MIRAX Viewer on the instructor and student computers, digitized MIRAX slides can become an integrated part of your training material. For example, practice or exam questions can consists of evaluating and scoring a MIRAX slide.

1.1 E-School Product Family

The following figure shows the E-School products and how they make use of the MIRAX features:



- Instructors package their HTML training material, including optionally pictures, tables or links to MIRAX slides, locally on their computers with E-School Encoder.
- E-School documents are stored locally on the instructor's and the students' computers and are displayed in E-School Viewer.

- E-School documents can be encrypted and requires product keys to be opened. The keys are stored and handled on an E-School License Server.
- E-School practice and exam sheets are stored on a server (E-School Practice/Exam Server) and are accessed via the Internet or an intranet setup at the training facility.
- Optionally, you can store digitized MIRAX slides on a MIRAX Slide Server.
- If you include a slide digitized with MIRAX scanners, MIRAX Viewer is required for viewing the slides. You can download a free version of MIRAX Viewer from www.pathonet.org.

  MIRAX Viewer is always installed locally on the instructor's or students' computers while the slides might be stored locally or remotely, on a MIRAX Slide Server.

1.2 Working with E-School as an Instructor\Administrator

Warning!

If more than one Instructor\Administrator operates at the same time on the same virtual surface, they can erase\cancel or modify the savings of one other.

The next E-School version which is now under development, this trouble-making chance will be completely excluded from User practice. Till then, operating Instructors\Administrators need to be careful, tolerant and co-operative.

Instructors who hold pathology trainings at universities, medical schools or training centers can use the E-School products in the following way:

- They can create their own training material: E-School packages HTML files and linked pictures or media files into one compressed file with **E-School Encoder**.
- A compressed file (called E-School document) can be easily shared with students. It can be sent electronically to each student or it can be stored and shared on a server.
- You can restrict access to an E-School document by making it license-dependent when you compress it with E-School Encoder.
- You can manage exams for your students and compile practice material also, and share it via the Internet or an intranet setup at the training facility.

2 Installing and Configuring E-School on an Instructor Workstation

2.1 System Requirements for E-School Encoder

CPU	1.3 GHz
RAM	256 MB
Operating system	Windows XP/Vista
Disk space	For the program: 5 MB **Warning**! Make sure you have enough disk space for your files, especially if you plan to use lots of image files in your encoded folder.

2.2 Installing E-School Encoder

- Execute **EschoolEncoderSetup.msi** and select the folder in which E-School Encoder should be installed.

  The default installation location is the following:

  C:\Program Files\Mirax E-School Encoder

- **To use E-School Encoder you must have a valid lic file.**

2.3 Installing a Free Version of MIRAX Viewer 1.11

Important!

The free version contains only a limited set of the Viewer features: you can open and browse slides but you cannot create new annotations or change the annotations that were saved with the slides. Furthermore, you cannot create a link to an annotation: you need the licensed version of MIRAX Viewer.

- Download the free version of MIRAX Viewer from www.pathonet.org in a compressed file.
- Check the resolution of your monitor and write it down:

  Start / Settings / Control Panel / Display
- Start the installation of MIRAX Viewer:
  - Unpack the files in the compressed file.

    The folder is automatically named Mirax Viewer v1_8_x_x.
  - Double-click **setup.exe** in the unpacked folder.
- Follow the instructions in the installation wizard.
- Enter the screen resolution manually as a pixel per inch (PPI) value when you are prompted to do so.
- Select **Install Mirax Viewer as a free viewer with limited functionality**.

You are ready to use MIRAX Viewer.

3 Encoding and Publishing Learning Materials with E-School

Warning!

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E-School Encoder encrypts your HTML file or files (and the figures linked in the HTML files) into one E-School documents.

3.1 Prerequisites for the HTML Materials

Follow the following guidelines to ensure that E-School encodes and publishes your material as valid HTML file:

- Create and edit the material that you want to encode and publish with E-School in the HTML editor of your choice. You can achieve best results with Encoder if you use a browser-neutral HTML compiler or a compiler that is optimized for Microsoft Internet Explorer 6.x or later.
- In the names of the HTML and graphic files, avoid special symbols and wild card characters, for example the at sign (@) and non-English characters.
- Test your HTML files in an HTML browser before encoding.
- Make sure you have one entry-point HTML file for the material: E-School Encoder will take only one HTML file as input and will package all the other files that are linked from it directly or through linked files.
- Speed up the encoding process by putting all files that you want Encoder to package under one root folder.

3.2 Creating a Link to MIRAX Slides

Important!

If you want to use MIRAX slides in your E-School documents, you need to store the MIRAX slides on a MIRAX Slide Server.

You need the licensed version of MIRAX Viewer to create a link to an annotation.

- Open the slide from the Slide Server.
- If there are annotations on the slides, you can take any of them: you cannot create a link to a slide but if you link to an annotation, clicking the annotation link will open the slide.
- If there are no annotations on the slide, create one:
  - In the slide tool bar, click the icon of the annotation type (rectangle, free-hand or point) and cover some area with the annotation.
  - Add a caption to the annotation.
- In the slide toolbar, click the *manage/locate annotation* icon.
- From the list, select the annotation to which you want to link and click **Send Link to Clipboard**.
- Paste the link into the HTML file in which you want to use the reference.

3.3 Encoding Your Files for E-School

The material that you package with E-School Encoder can be displayed only in E-School Viewer. Furthermore, you can protect the material with license keys, which you can define and assign to each package: only those can display the license-protected E-School documents in E-School Viewer who have a license key to the material.

3.3.1 Overview of Encoding and Publishing Process

Warning!

If more than one Instructor\Administrator operates at the same time on the same virtual surface, they can erase\cancel or modify the savings of one other.

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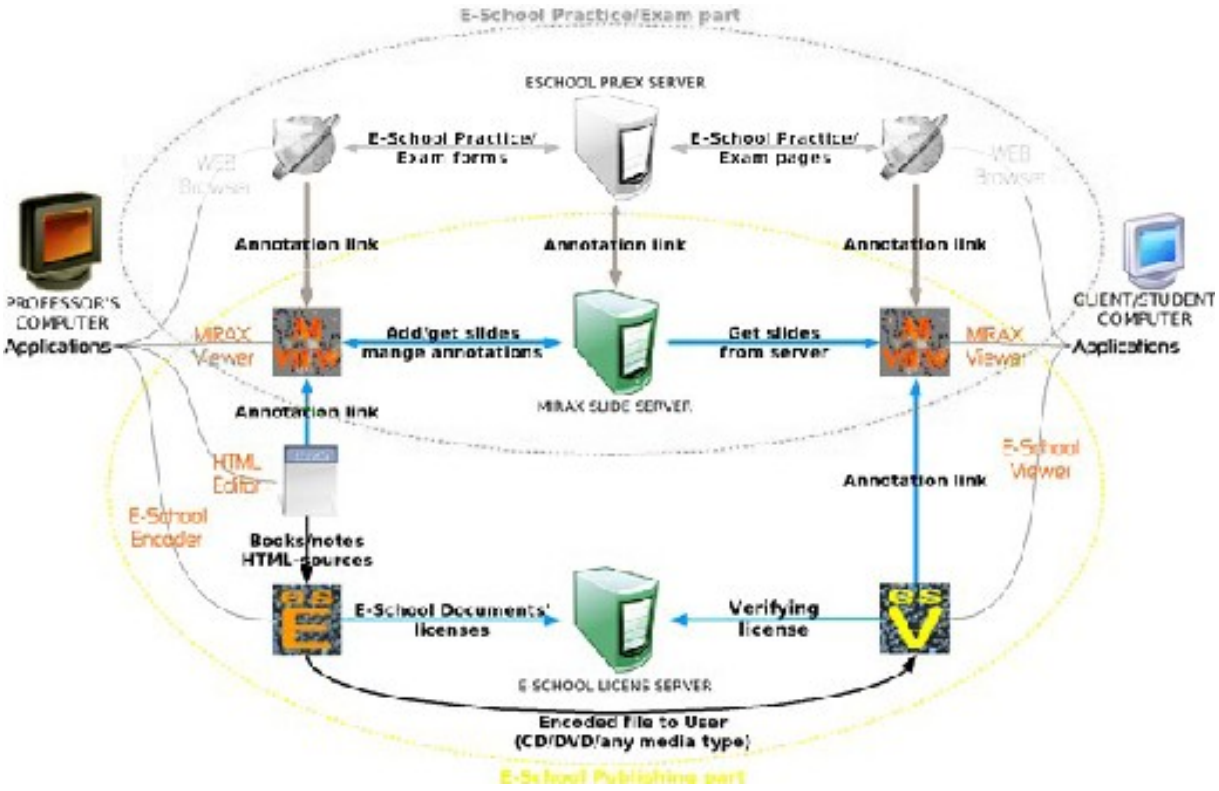
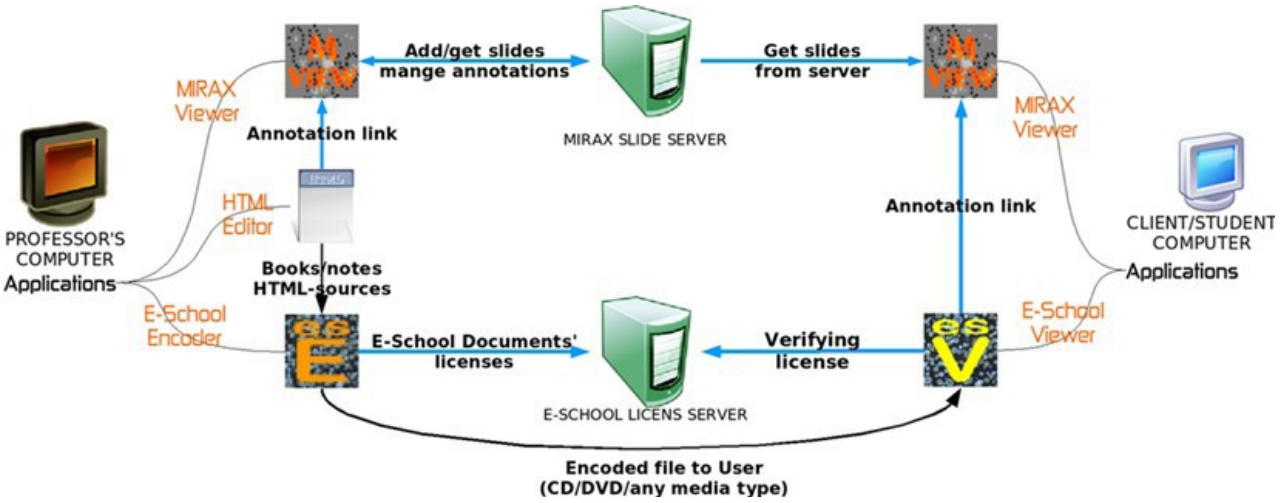


3.3.2 Encoding a Document with E-School Encoder



- Launch E-School Encoder and select **Generate new E-School document and license**.
- Browse for the entry-point HTML file of the material that you want to encode as one E-School document.
- Select the target folder in which the E-School document will be generated.
- Enter a name for the E-School document and give it a version number.
- Select the level of protection for the document:
  - If anybody who has an E-School Viewer can view the document, select **free**.
  - If E-School Viewer should open the document only if a license key has been entered, select **non free**.
- [only for non-free documents]

  Define the license key settings:
  - Number of licenses.
  - If the license keys should expire, for example, at the end of the semester or the training session.

Warning!

You will not be able to modify the expiration date later.

- Enter the details of the E-School License Server on which the license keys are going to be stored. (Find out more about license handling with the E-School License Server at the Administrator's Guide part of this material!)
- Check the parameters that you have set for the encoding process and click **Start**.

E-School Encoder generates the E-School package (an .esd – E-School document and a .gms – goldmaster file). For non-free documents, Encoder also generates an .rtf file that contains the license information.

3.3.3 Generating More License Keys for an E-School Document

- Launch Encoder and select Generate licenses for existing E-School document.
- Select the GMS file for which you want to generate keys.
- Enter how many keys you want to generate.

3.3.4 Opening E-School Documents in E-School Viewer 1.11

Prerequisites

- Your computer must have an Internet connection when you want to open a license-protected E-School document for the first time.
- If the E-School document contains MIRAX slides, MIRAX Viewer must be installed on the computer to view them. A free version of MIRAX Viewer can be downloaded from www.pathonet.org.

E-School Viewer checks the license from the E-School Server and registers a unique ID of your computer. Therefore, the document can be read with this license only on this computer.

- Copy the E-School document to a location on your computer.
- Launch E-School Viewer:

- ✗ Double-click the E-School document.
- ✗ Select **Start / MIRAX E-School Viewer**.
- ✗ Double-click the application icon on your Desktop.

➢ If the document is license-protected, enter the license key.

E-School Viewer works like any HTML browser: you can scroll down in the entry page and you can open any files or images that are linked from this or the child HTML files.

If the E-School document contains a link to a MIRAX slide: click the link, the locally installed MIRAX Viewer application will automatically open to display the slide.

4 Managing Practice and Exams in E-School

Warning!

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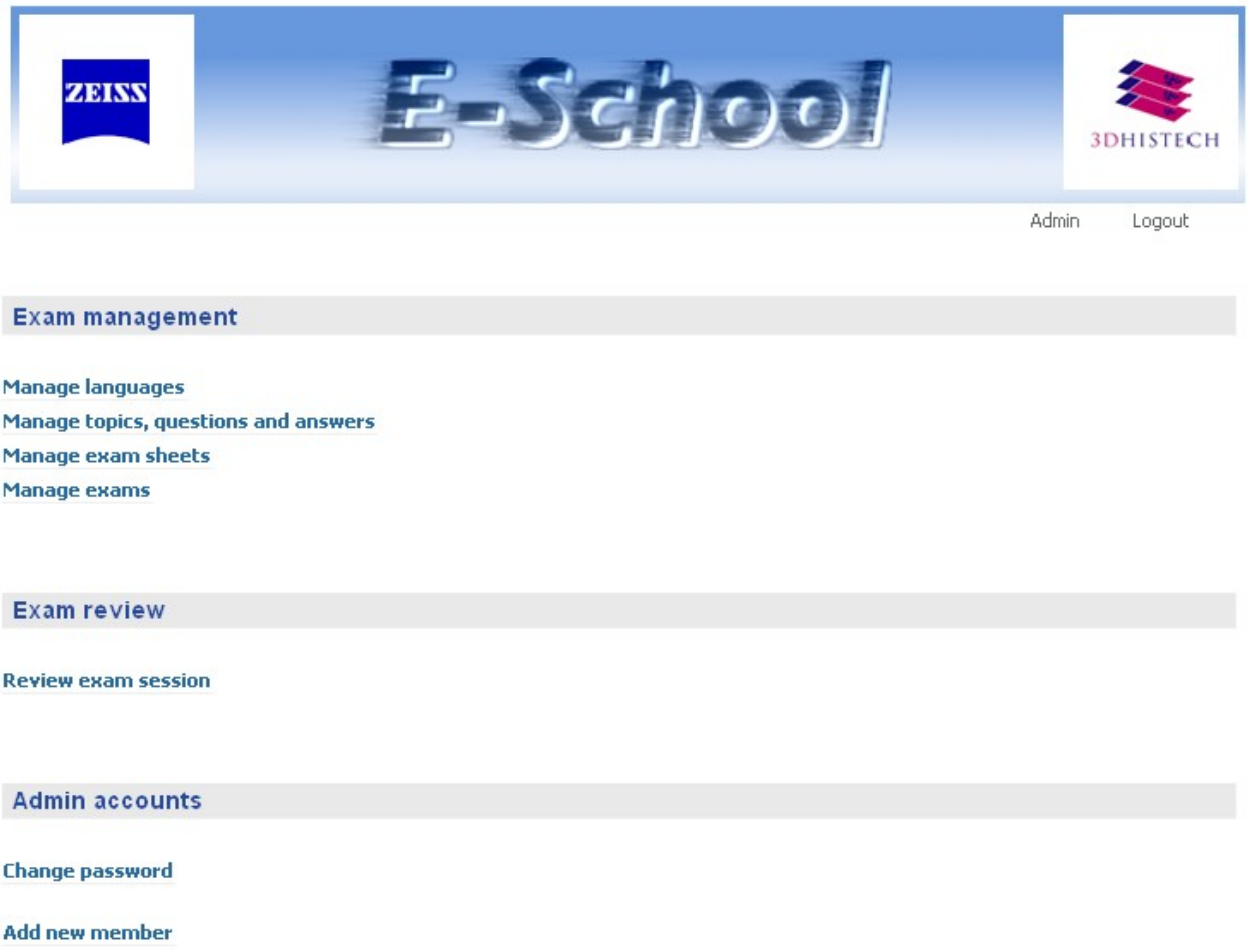
E-School Exam is a web-based education solution. It is a platform-independent server-side application to support E-School trainings:

- Instructors can upload question sets to give students the possibility to practice.
- Any number of students can take exam.
- Cheating, for example by completing the exam twice, is virtually impossible.
- E-School automatically scores the single/multiple choice questions. Instructors only need to score the open-ended questions manually.



For more information and instructions on installing and managing the server needed for the exam material and the scoring feature, see **Contents** and the other chapters of this User's Guide.

4.1 Question Types

E-School Practice/Exam supports three question types:

- Single answer (there is only one correct answer)
- Multi answer (there are several correct answers)
- Textual (open-ended questions)

You can use graphic files and linked digital slides in your material. For example, your question can be about a MIRAX slide or an annotation on it.

You can also set up a question so that the students have to mark the answer on the MIRAX slide: they can create a picture of any part of the slide with the camera icon on the main navigator area of the Mirax Viewer, appearing only when the specific slide was opened from an E-School Exam. They can then draw on the exported picture and upload it to the E-School Exam server.

4.2 Topics and Question DataBase in MIRAX E-School

E-School Exam/Practice includes a database for exam topics and questions. This makes it possible for you to combine topics and questions freely and to include them in different practice or exam sheets. Furthermore, you can define questions and answers in different languages.

Warning!

You need to double-check the language settings before you launch an exam: if you enable a language for an exam but not all questions have a version in that language, the students will see an empty question and would not have a chance to score on the question.

4.3 Scoring Schemes and Automatic Answer Evaluation

E-School Practice/Exam automatically evaluates the answers to close-ended questions.

If needed, you can define a different scoring scheme for each question. Keep in mind the following:

- Correct answers must be scored with positive numbers, incorrect answers can be marked with zero or with negative numbers.
- You have to mark all correct and incorrect answers with a score.
- E-School Practice/Exam sums the scores. If the sum is zero or less, the score on the question is zero. If the sum is greater than zero, the sum is the score on the question.

Example 1

In the simplest of the cases, only one answer is correct all the others are incorrect. Set the score of the correct answer to a positive number, the score of the false answers to zero or to a negative number. Students who select the correct answer get the score that you set for the answer, students who select the incorrect answers get zero points.

Example 2

You can penalize guessing by making sure that marking incorrect answers in a multiple-choice question deducts more points from the sum than what they get for the correct ones.

If you have a question with 10 answers (6 incorrect, 4 correct), give +1 points for each correct answer and -1 (or even -4) for each incorrect answer. Only those students will get the maximum score (4) who selected all and only the correct answers, students who selected one or more false answers as well will loose points even if they selected the four correct answers as well. Since the worse score students can get on this question is 0, penalizing guessing on this question does not penalize guessers on other questions.

Example 3

For open-ended questions, set only a maximum score as a guidance to evaluators who will have to score these questions manually.

4.4 Anti-Cheating Features of MIRAX E-School

Warning!

If more than one Instructor\Administrator operates at the same time on the same virtual surface, they can erase\cancel or modify the savings of one other.

The next E-School version which is now under development, this trouble-making chance will be completely excluded from User practice. Till then, operating Instructors\Administrators need to be careful, tolerant and co-operative.

Questions and answers are randomized when the practice or exam session starts:

Students cannot read off the correct answer from each other's screens because the questions and the answers to the questions are presented in different order on their screens. Randomization does not have an impact on the automatic evaluation of non-open-ended questions.

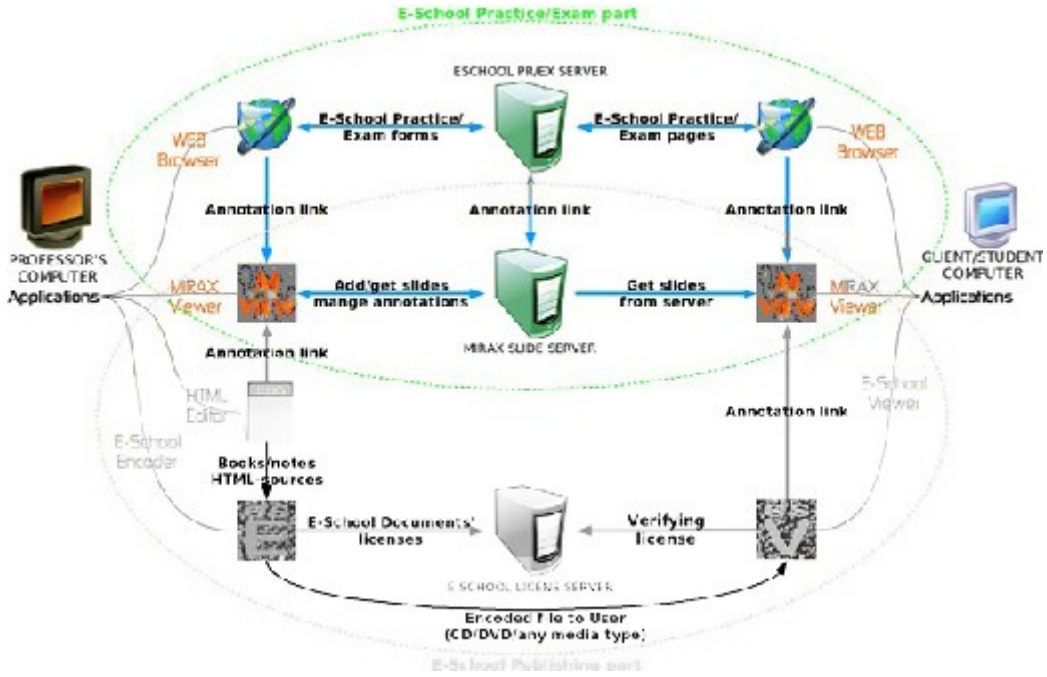
Retaking an exam generates two sets of scores:

If a student tries to retake an exam, two exam results will be generated. The student's ID and the times tamp of when the exam was finished will be visible in both results. Instructors can check the time stamp and ignore the later attempts.

Documentations are saved:

Completed exams are uploaded into a database, from where they can be deleted with direct database access. In the everyday practice, even E-School Administrators cannot delete them.

4.5 Managing E-School Questions, Answers and Exams



4.5.1 Managing Languages

Administrators can change the list of languages in which instructors can add questions (and answers) in the database.

Warning!

If you delete a language, versions of questions and answers marked with that language will be deleted. Only delete languages when you are sure that no questions, answers or exams are going to be affected by the deletion.

- Log in to the Admin Pages of the E-School Exam Server as an administrator user.
- Select **Manage languages**.
- Add or delete languages from the list. Your changes are saved when you return to the main administrator page by clicking **Admin**.

4.5.2 Creating a Topic

- Log in to the Admin Pages of the E-School Exam Server as an administrator user.
- Select **Manage topics, questions and answers**.
- Click **Add new** and then add the topic name in each language that you need.
- Create the topic with its language versions: click **Save**.

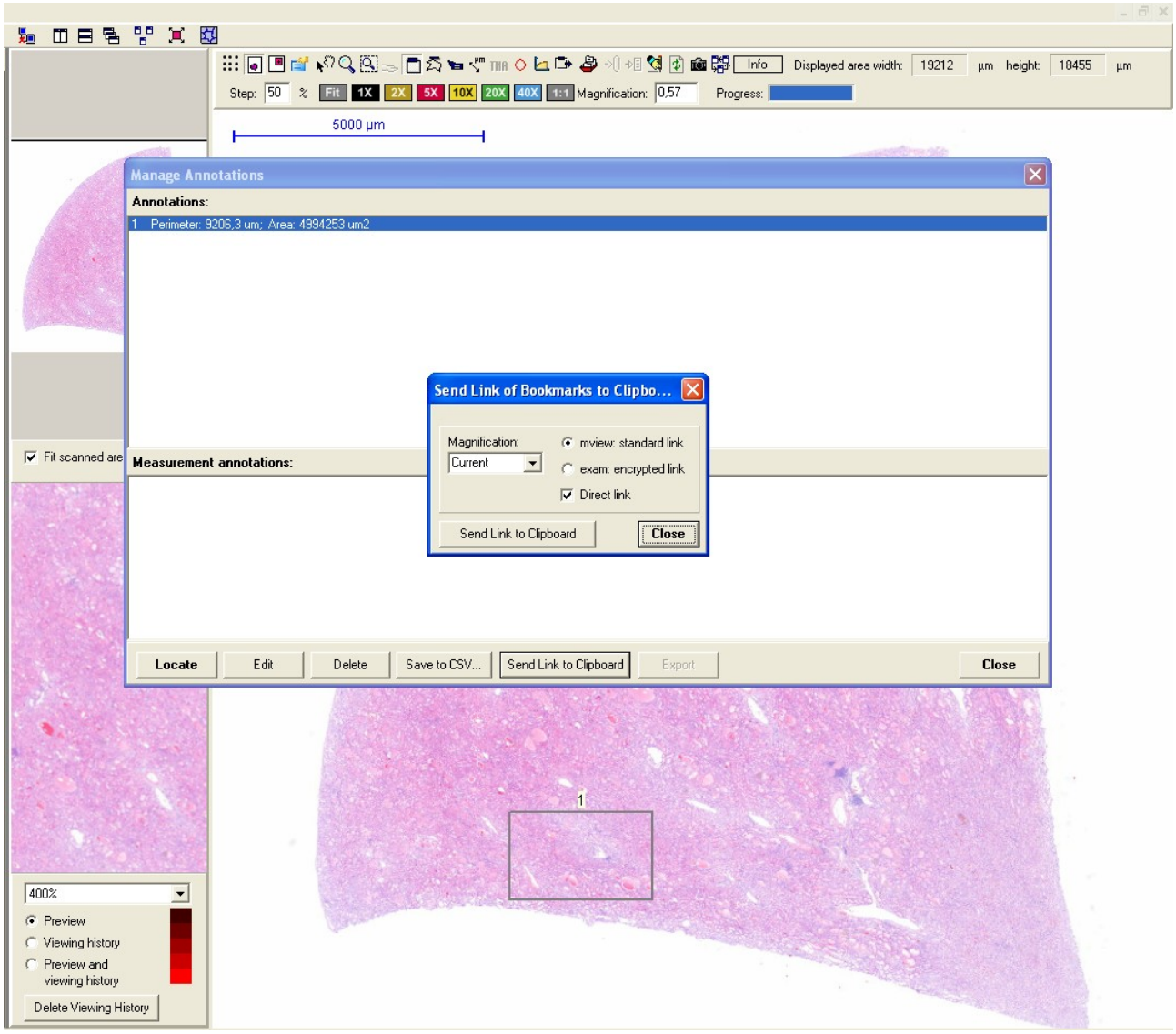
4.5.3 Creating a Question and Adding an Answer

- Log in to the Admin Pages of the E-School Exam Server as an administrator user.
- Select **Manage topics, questions and answers**.
- Add a question:
  - Click **Add question** next to the topic to which you want to add a question.
  - Enter the question in each language that you need.
  - Select the type of the question and click **Save**

- Add the answer to the question:
  - Click **Add answer** next to the question.
  - Enter the answer in each language that you need.
  - Set the score for the answer score and then click **Save**.
- Repeat step 4 for each question then click **Admin** to save the changes and to return to the questions page.
- Repeat steps 3-4 for all languages in which you want to have the question-answers pair.

You can create a question with a linked slide to it:

1. Open the slide to be linked with the Mirax Viewer.
2. Create an annotation and click the **Manage/locate annotation** on the toolbar!
3. Select the annotation and click **Send link to clipboard**!
4. A window shows up, where you can specify at which magnification will the slide be opened for the students and weather the link would be a standard (non-encrypted) or an exam (encrypted) link. Encrypted links can only be opened via an E-School Exam Server application. Slide info (name, annotations) will not be visible for the students.

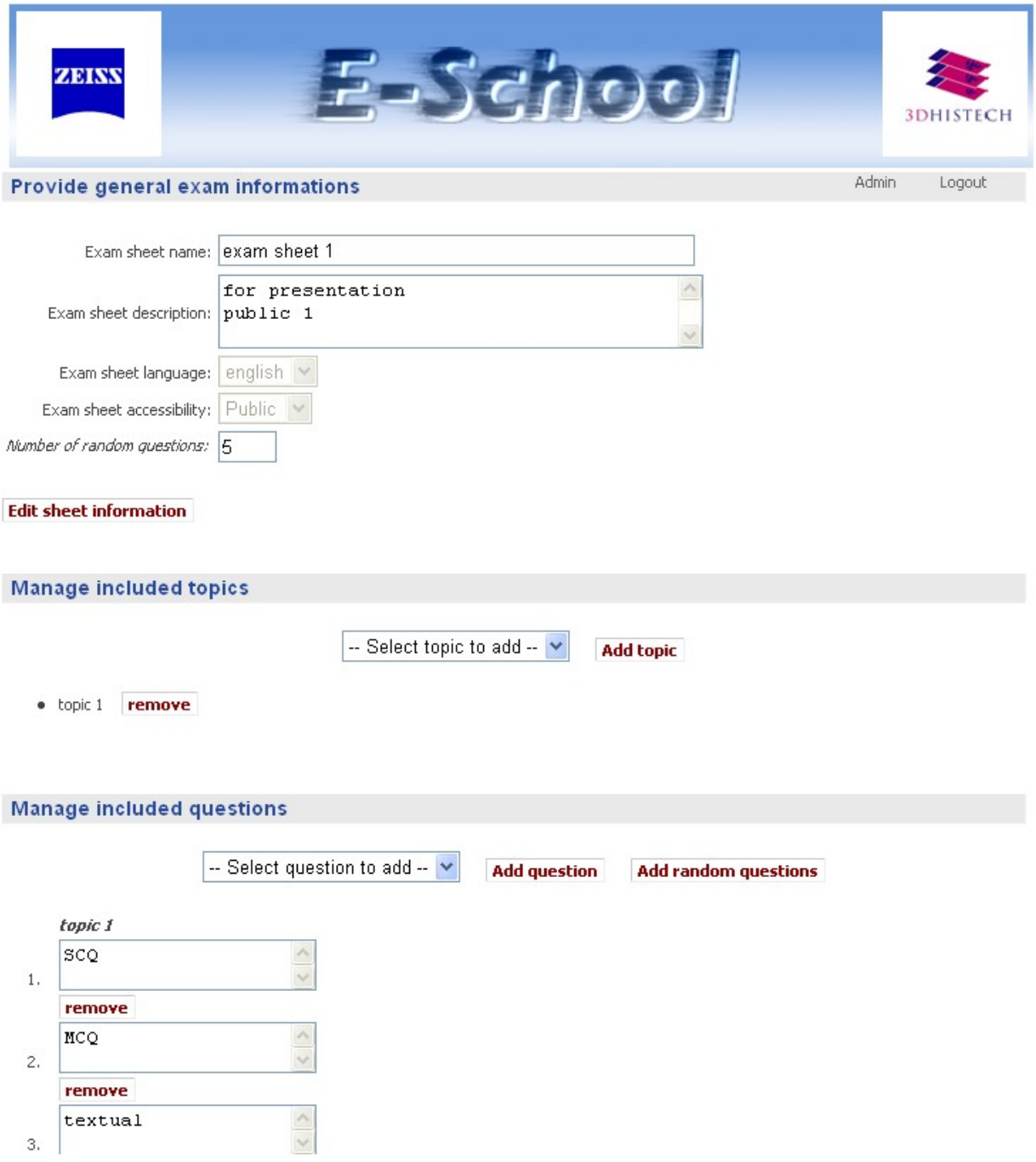


5. Click **Send link to clipboard** again and close the window.

6. Copy paste the link to the URL line of the question.

4.5.4 Creating an Exam Sheet

- Log in to MIRAX E-School Exam server as an administrator.
- Click **Manage exam sheets** and then click **Create new exam sheet**.



- Enter the name of the exam sheet and the description of the exam.
- Set the language of the exam sheet and select whether the exam sheet should be private or public. (Private exam sheets can only be used for exams, public ones appear for the students in the Practice area.)
- Set how many questions should be added randomly from the question database and then click **Save sheet information**.

- Select a related topic from the topics drop-down list and then click **Add topic**.

  You can add as many topics as needed.

- Select one or more questions from the list or click **Add random questions** to let E-School compile the number of questions you specified for the exam sheet from the database.

  The related topics and questions list will be listed at the bottom of page.

- Click **Admin** to save the changes and to return to the main admin page.

4.5.5 Creating an Exam

- Log in to MIRAX E-School Exam server as an administrator.
- Click **Manage exams** and then click **Create new exam**.
- Enter a code for the exam.
- From the list, select the exam sheet that you need.
- Select the exam state (inactive or active) and then click **Save**.
- Logout from MIRAX E-School Exam server.
- Check your exam on Exam website.

4.6 Evaluating Exams

Warning!

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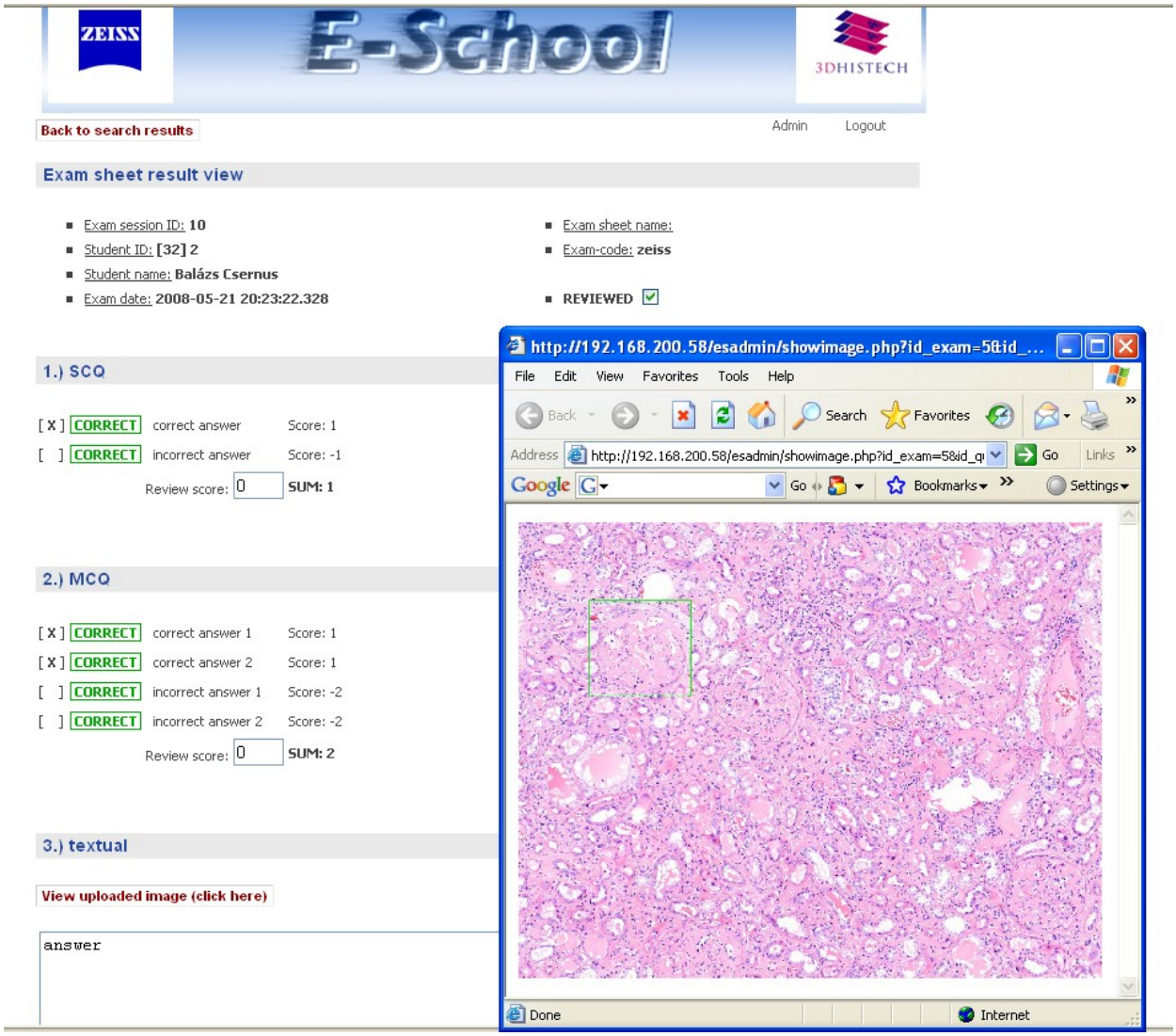
The next E-School version which is now under development, this trouble-making chance will be completely excluded from User practice. Till then, operating Instructors\Administrators need to be careful, tolerant and co-operative.

You can review the results of the automatic scoring and you can change them. For open-ended questions, you have to enter the score manually.

- Log in to MIRAX E-School Exam server as an administrator.
- Click **Review exam session**.
- Enter at least one search parameter to find the exam that you want to evaluate and then click **Search**.
- Select the exam from the list and then click **View**.



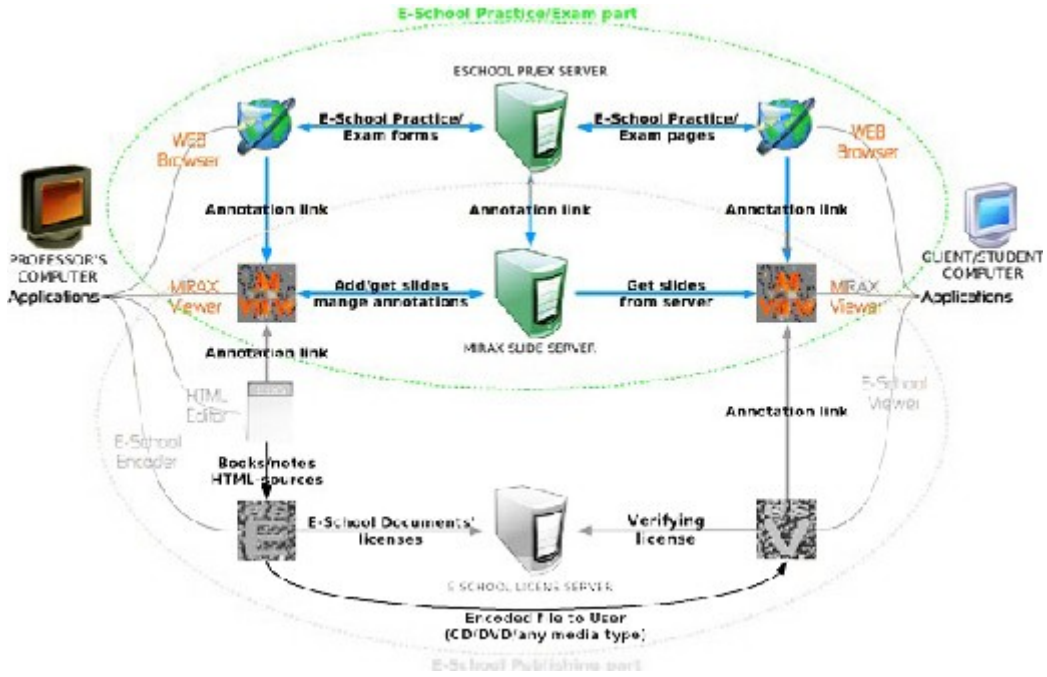
- Score the answers to the open-ended questions manually. The maximum score is shown next to the question.

- If there was a slide linked to a question the uploaded pictures will open in a new browser window by clicking **View uploaded image**.

- You can see the final result in scores and in percentage. When you are done, mark the exam as **Reviewed** in the top-right corner of the page.

Make a manual copy (with copy/paste) of the results for the university, school or training center or for your own record. Then click **Save**.

5 Installing MIRAX E-School Viewer 1.11 on a Student Workstation



5.1 Hardware and Software Requirements for a Student Workstation

Operating system	Windows XP Professional
Web browser	Microsoft Internet Explorer 6.x

5.2 Installing E-School Viewer on a Student Workstation

You can install E-School Viewer with a wizard:

- Start the .msi file that you received or downloaded.
- Select the destination folder.
- Follow the instructions in the wizard.

When E-School Viewer is installed, you can start using it right away.

5.3 Removing E-School Viewer

Use the Add/Remove programs application of the operating system to remove E-School Viewer:

Start / Control Panel / Add and Remove Programs

5.4 Updating E-School Viewer

- Remove the old version of E-School Viewer.
- Install the new version.

6 Working with MIRAX E-School 1.11 as a Student

Task	Application or tool	Comments
Reading E-School documents	E-School Viewer	Some E-School documents are license-protected. Licenses are set and distributed by the instructor.
Working on practice sessions	E-School Practice page via the Internet	Web address to the practice and exam pages is communicated by the instructor.
Taking exams	E-School Exam page via the Internet	Exams are code-protected. Codes are set and distributed by the instructor.
Answering an exam question with mark-ups on a MIRAX Slide	MIRAX Viewer 1.11 or higher	Exporting a marked up picture of the MIRAX slide.

6.1 MIRAX E-School Viewer 1.11

Prerequisites

- Your computer must have an Internet connection when you want to open a license-protected E-School document for the first time.
- If the E-School document contains MIRAX slides, MIRAX Viewer must be installed on the computer to view them. A free version of MIRAX Viewer can be downloaded from www.pathonet.org.

E-School Viewer checks the license from the E-School License Server and registers a unique ID of your computer. Therefore, the document can be read with this license only on this computer if its license key only allows 1 registration,.

- Copy the E-School document to a location on your computer.
- Launch E-School Viewer:
  - Double-click the E-School document.
  - Select Start / MIRAX E-School Viewer.

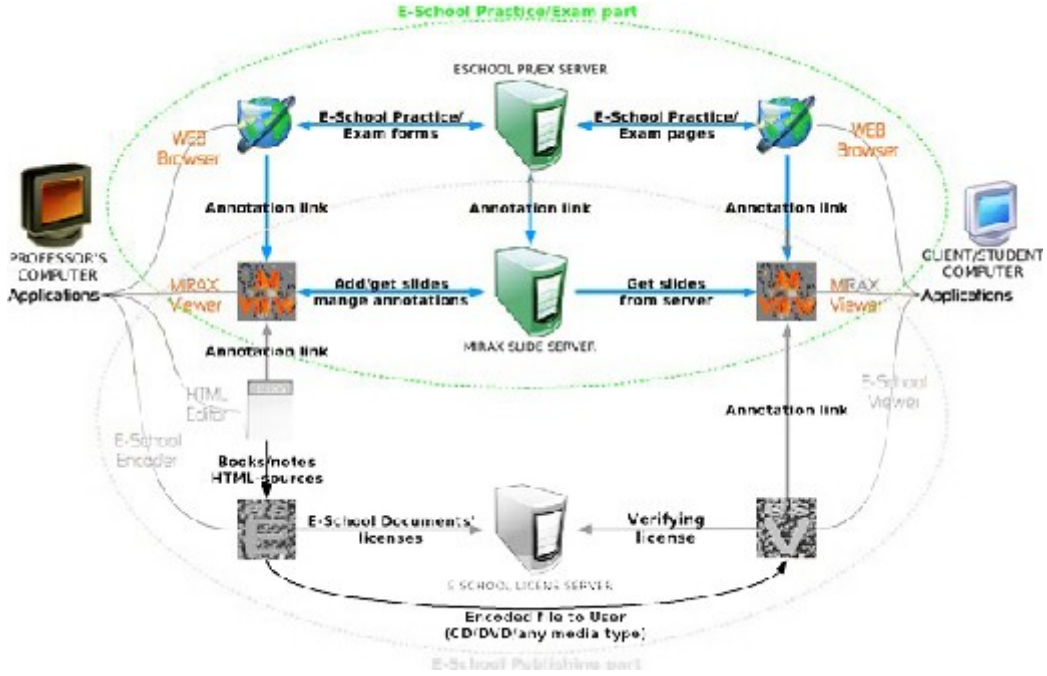
- ✗ Double-click the application icon on your Desktop.

- ➢ If the document is license-protected, enter the license key.

E-School Viewer works like any HTML browser: you can scroll down in the entry page, you can open any files or images that are linked from this or the child documents.

If the E-School document contains a link to a MIRAX slide: click the link, the locally installed MIRAX Viewer application will automatically open to display the slide.

6.2 MIRAX E-School Practice/Exam Module



6.2.1 Working on Practice Session

With E-School Practice you can prepare for exams. You can choose exam sheets for practicing from the public exam sheets. (An exam sheet can be private or public. Private ones are for exams only, publics for practicing as well. The attribute is set by the instructor.

- ➢ Launch Internet Explorer and type the web address of the practice page of the E-School Practice/Exam Server! (Set and given by the system administrator.)

- ➢ Click **Start practice session**!

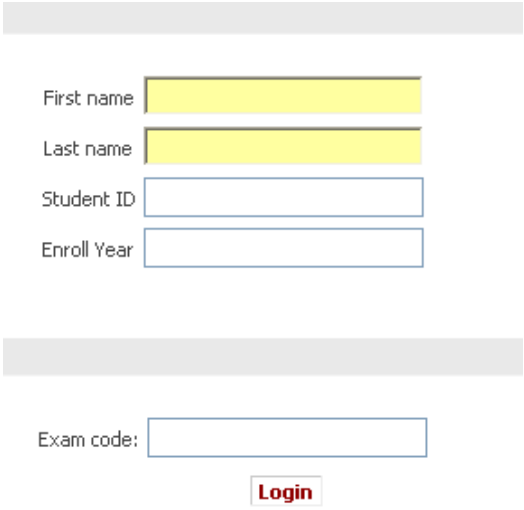
- ➢ Choose from the listed public exam sheets!

- Click **Start practice session** again!
- Mark your answers!
- Click **Submit**! The evaluated exam sheet appears.

6.2.2 Taking Exams

With E-School Exam you can take exams. Questions are edited and compiled by an instructor, usually a teacher.

- Launch Internet Explorer and type the web address of the exam page of the E-School Practice/Exam Server! (Set and given by the system administrator.)
- Authenticate yourself!



- Click **Login**, and mark your answers!

  There are 3 main type of questions:

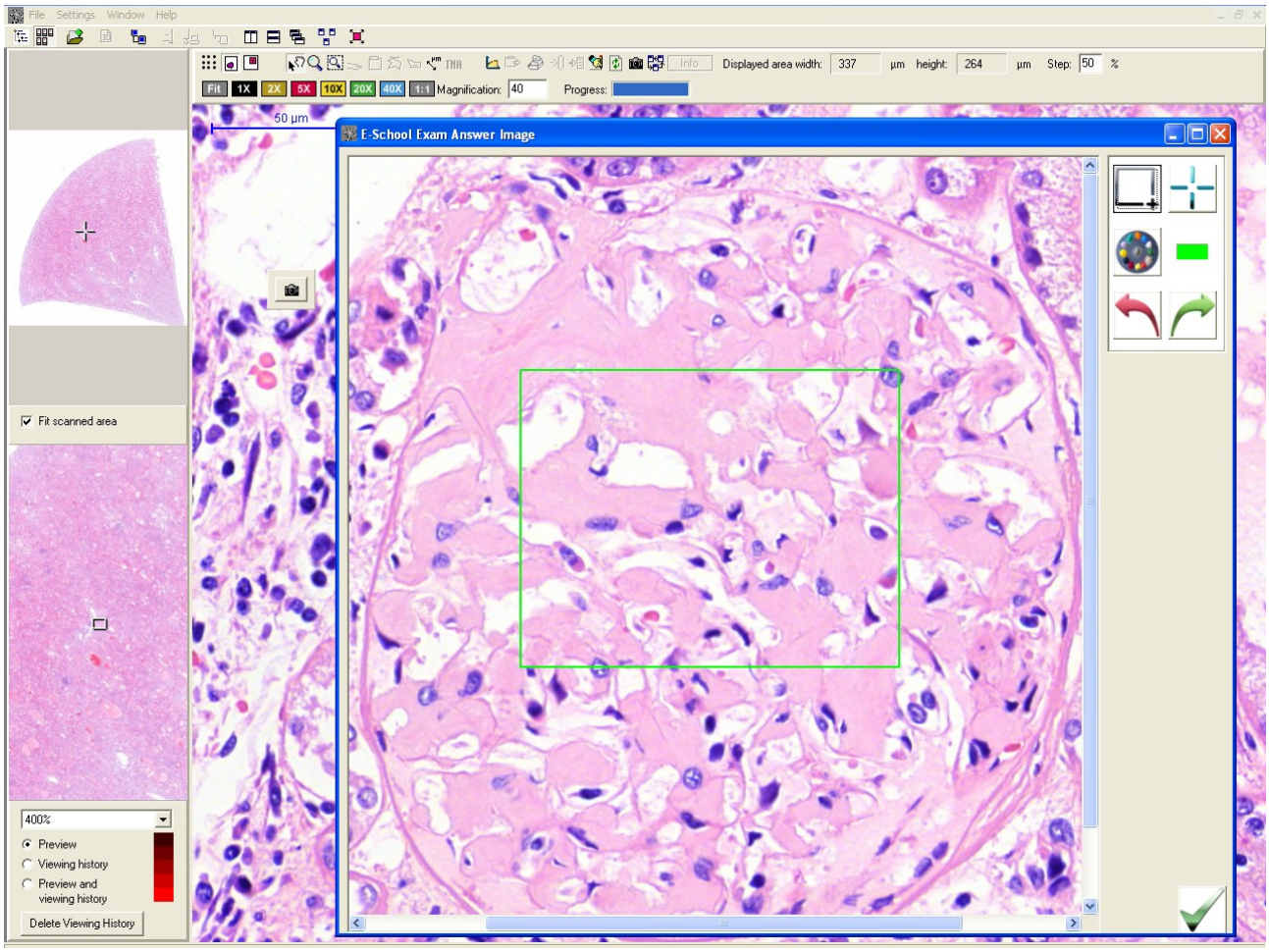
  SCQ: Simple Choice Question – only one answer is correct and could be marked.

  MCQ: Multiple Choice Questions – more than one answer is correct and could be marked.

  Textual: Free editing of text.

- Some questions have attached pictures. Just click on the **picture** link, and it will open in a new browser window.

- If a slide is linked to a question, your answer to that can be your markups on the picture of a MIRAX slide. Click the **mview/exam link**, and the slide will open in the Mirax Viewer. A camera icon appears on the main navigator window. When the image of the slide shows what you need, click the camera icon. You can annotate the picture you have taken, and upload it to your exam sheet.



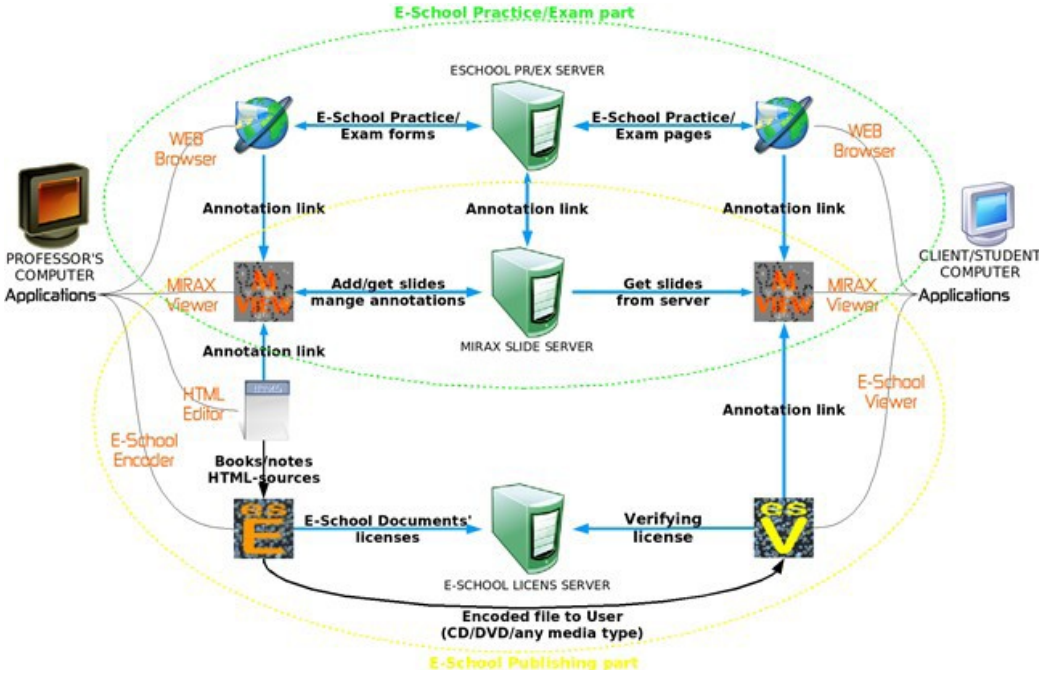
Important!

You can only upload once as an answer to an E-School exam question: if you try to upload a modified version of the file or try to upload another file, the other files or versions are not stored on the server.

- To upload your exam, click **submit**. Closing the browser window of the exam without submitting it will result in loosing all of the data you have entered!

7 About the E-School Servers

The following figure shows the E-School products. The server products for which you are responsible as an Administrator are shown in the middle of the figure.



- **E-School License Server**

  When instructors compress and encode their training materials and create E-School documents, they can protect them with license keys. They store and manage the keys on the License Server.

  - **E-School Exam Server**

    Instructors work with a database of questions and answers. The practice and exam sheets they compile are stored on a server (E-School Practice/Exam Server) and are accessed via the Internet or in an intranet setup at the training facility.

  - Optionally, training materials can include links to digitized MIRAX slides that are stored on a **MIRAX Slide Server**.

7.1 Installing and Administering an E-School License Server

7.1.1 Hardware and Software Requirements for an E-School License Server

Platform	ASP
Hosting server	IIS (Windows only)
Database	Microsoft Access
Application model	Database-driven web application Client-server architecture Isolated administration modules

7.1.2 Managing E-School License Server Users

Administrator	IT Personnel	**Creates** other **Users**. **Gives Administrator-privileges** to other Users.
User	Instructor	**Publishes** E-School **documents to the server**. **Manages** E-School **document licenses**.

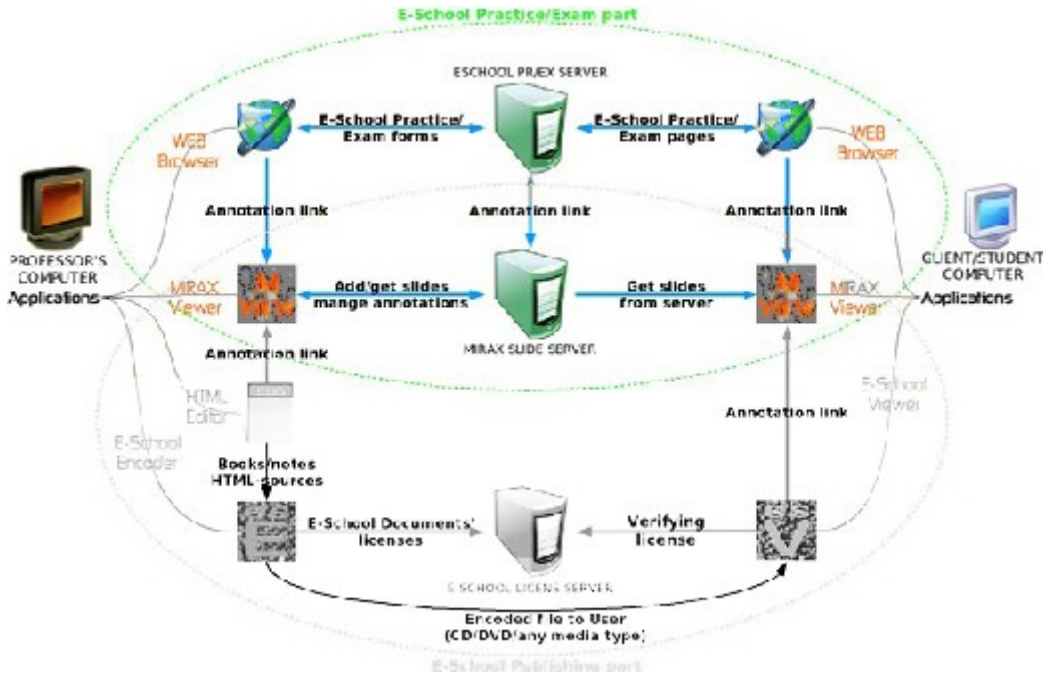
E-School Students have no special user status on the License Server, they do not need to be added to any user group. They can access the practice sessions or the exams on the Exam server with the code that their Instructor handed out.

7.1.3 E-School License Server Admin/User Interface

The user interface is used by E-School instructors who create and manage the license keys on the server (For more information, see the Contents and the other chapters of this User's Guide.) and the E-School License Server Administrator who is responsible for creating instructor accounts and specifying the license quotas of the Instructors.

E-School
Welcome to the E-School Licence Manager Application!
Please, enter your login name and password!
Login name:
Password:
Go!
Users
New User
Documents
Logout
Login Name
Name
User ID
Licence Quota
Administrator
0 fonyadl Fónyad László 20080521203208 300 True Edit Delete Documents
1 admin System Administrator admin 900000 True Edit Delete Documents

7.2 Installing and Administering an E-School Exam Server



7.2.1 Hardware and Software Requirements for an E-School Exam Server

Platform	PHP5.2 (can be hosted on either Windows or Linux, Unix) • php_pgsql extension • php_pdo extension • php_pdo_pgsql • SAFE_MODE enabled
Hosting server	IIS (Windows only) Apache (Windows, Linux, Unix)
Database	MySQL (Windows, Linux, Unix) UTF-8 character encoding
Application model	database-driven web application client-server architecture independent modules: • administration • exam practice • exam

7.2.2 Managing E-School Exam Server Users

There are no special users of E-School Exam Server.

7.2.3 E-School Exam Server User Interface

The user interface is used by E-School instructors who upload and manage questions, answers, exam and practice sheets on the server. For more information, see the Contents and the other chapters of this User's Guide.

8. Installing MIRAX E-School Software Application

8.1 Software Requirements

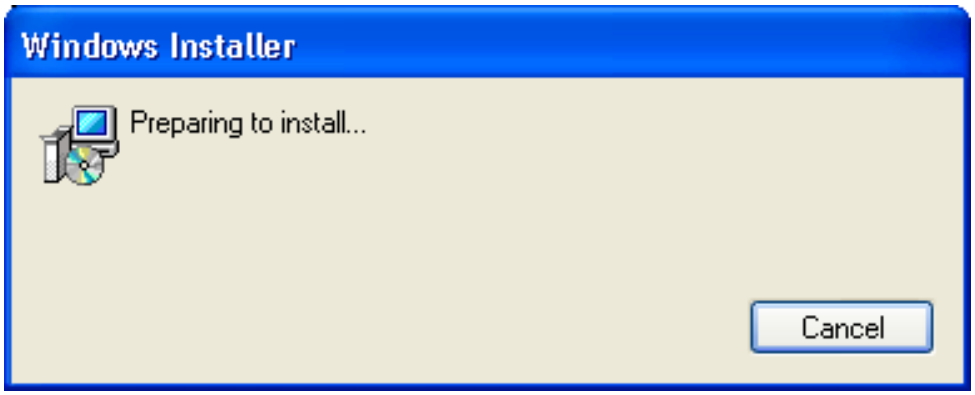
Before using MIRAX E-School Exam, the User has to install **Windows XP Professional**, **Internet Information Server**, **PostgreSQL8.3.msi**, **PHP 5.2.6-Win 32** and **MIRAX Viewer**.

Without these softwares MIRAX E-School Exam will not work.

8.2 The Way of Installing MIRAX E-School

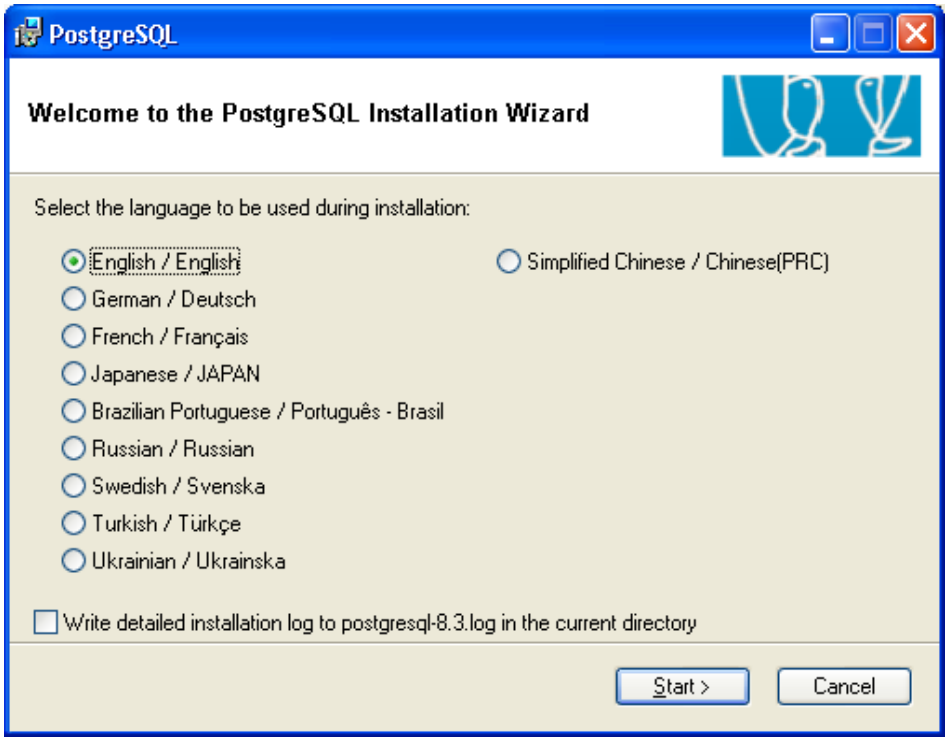
8.2.1 Installation of PostgreSQL 8.3.msi

Please, **start** the file **postgresql-8.3.msi** (it is downloadable from Internet using the link given by us). A small window flares up for a second

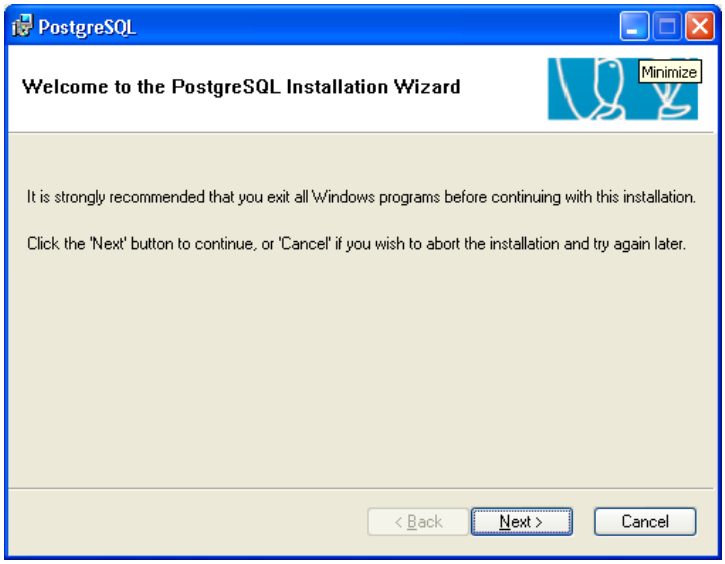


but you should not care about it because it disappears at the same time without one could do anything.

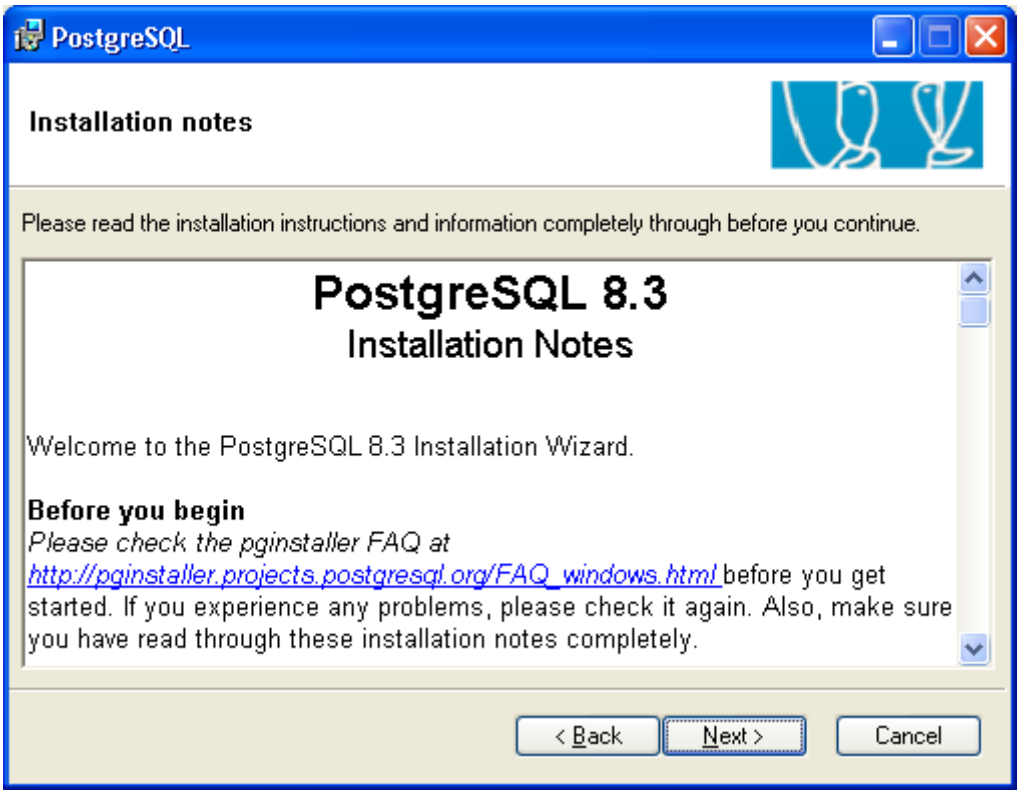
The first stable window is called PostgreSQL_**Welcome to the PostgreSQL Installation Wizard**, where you should select a language by left-clicking on one of the radio-buttons. We recommend you choosing English. Then, you are supposed to push the button **Start**.



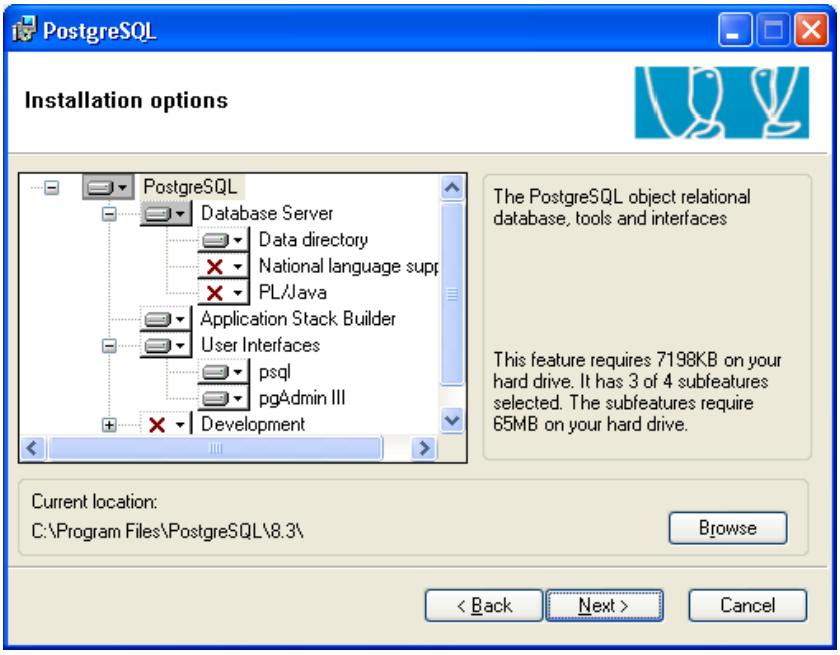
The second stable window is entitled exactly like the first one: PostgreSQL_**Welcome to the PostgreSQL Installation Wizard** but its content differs from the former one:


PostgreSQL
Welcome to the PostgreSQL Installation Wizard
Minimize
It is strongly recommended that you exit all Windows programs before continuing with this installation.
Click the 'Next' button to continue, or 'Cancel' if you wish to abort the installation and try again later.
< Back
Next >
Cancel

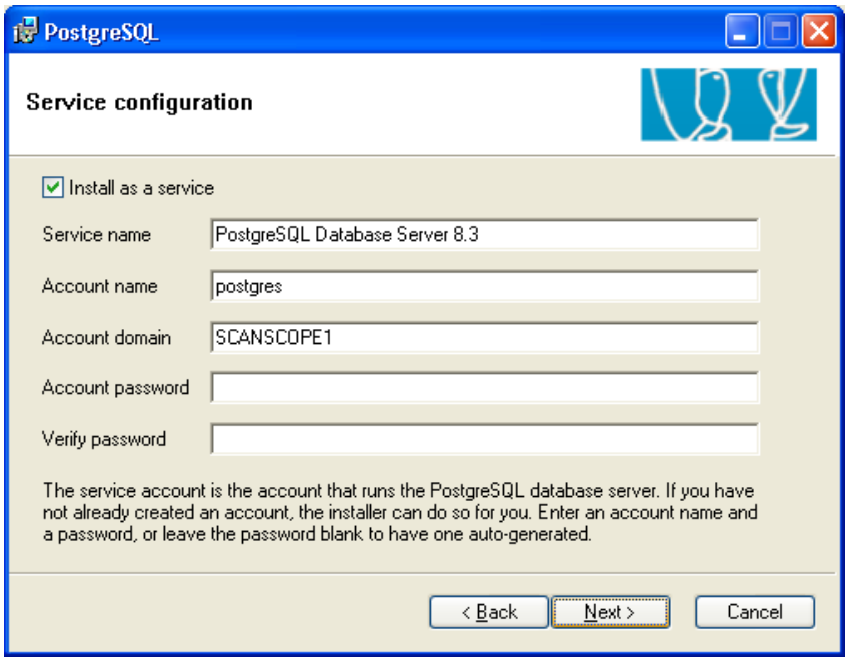
Here, you should left-click on the button **Next** to see the next window of installation. The third installation-window is called PostgreSQL_ **Installation Notes**:


PostgreSQL
Installation notes
Please read the installation instructions and information completely through before you continue.
PostgreSQL 8.3
Installation Notes
Welcome to the PostgreSQL 8.3 Installation Wizard.
Before you begin
Please check the pginstaller FAQ at
http://pginstaller.projects.postgresql.org/FAQ_windows.html before you get started. If you experience any problems, please check it again. Also, make sure you have read through these installation notes completely.
< Back
Next >
Cancel

If you push the button **Next**, a fourth window comes up that called PostgreSQL_**Installation Options**: please, push the button **Next** here, as well.

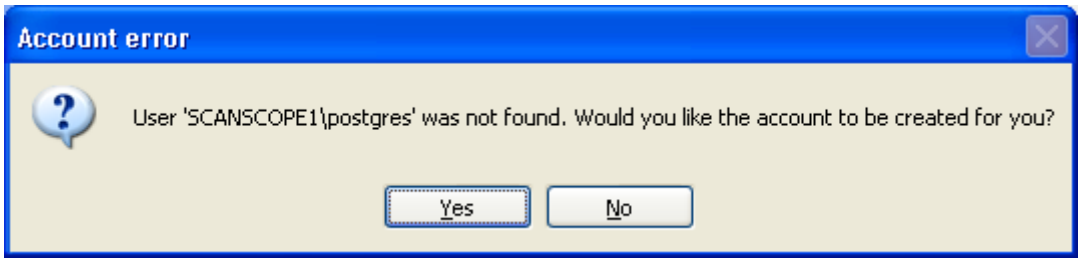


As the fifth step of installation comes up the PostgreSQL_**Service Configuration** window with several textboxes:

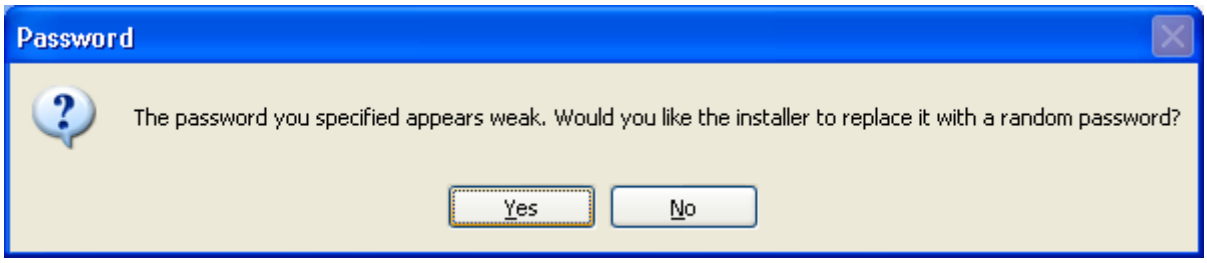

PostgreSQL
Service configuration
Install as a service
Service name
PostgreSQL Database Server 8.3
Account name
postgres
Account domain
SCANSCOPE1
Account password
Verify password
The service account is the account that runs the PostgreSQL database server. If you have not already created an account, the installer can do so for you. Enter an account name and a password, or leave the password blank to have one auto-generated.
< Back
Next >
Cancel

We ask you not to touch the first three texboxes (Service Name, Account Name, Account Domain) but to **write your chosen password into the last two textboxes**, then to push the button **Next**.

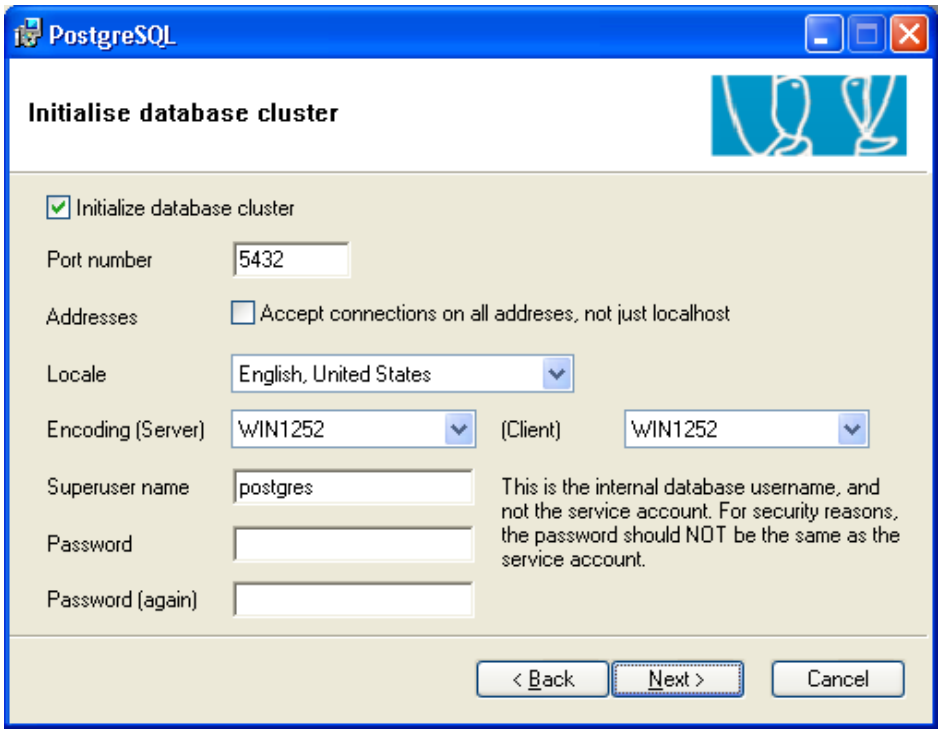
After this, a small-size **Account Error** window appears where you are asked to push the button **Yes**:



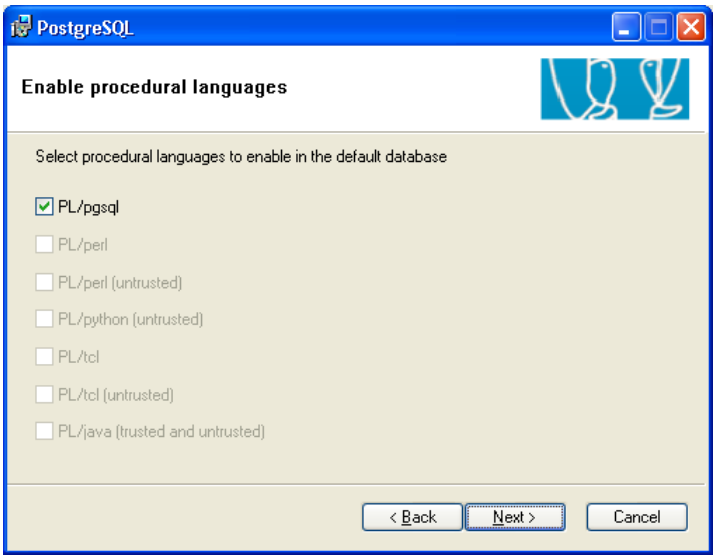
The next window entitled **Password** is also small sized. Here, please, push the button **No**:


Password
The password you specified appears weak. Would you like the installer to replace it with a random password?
Yes
No

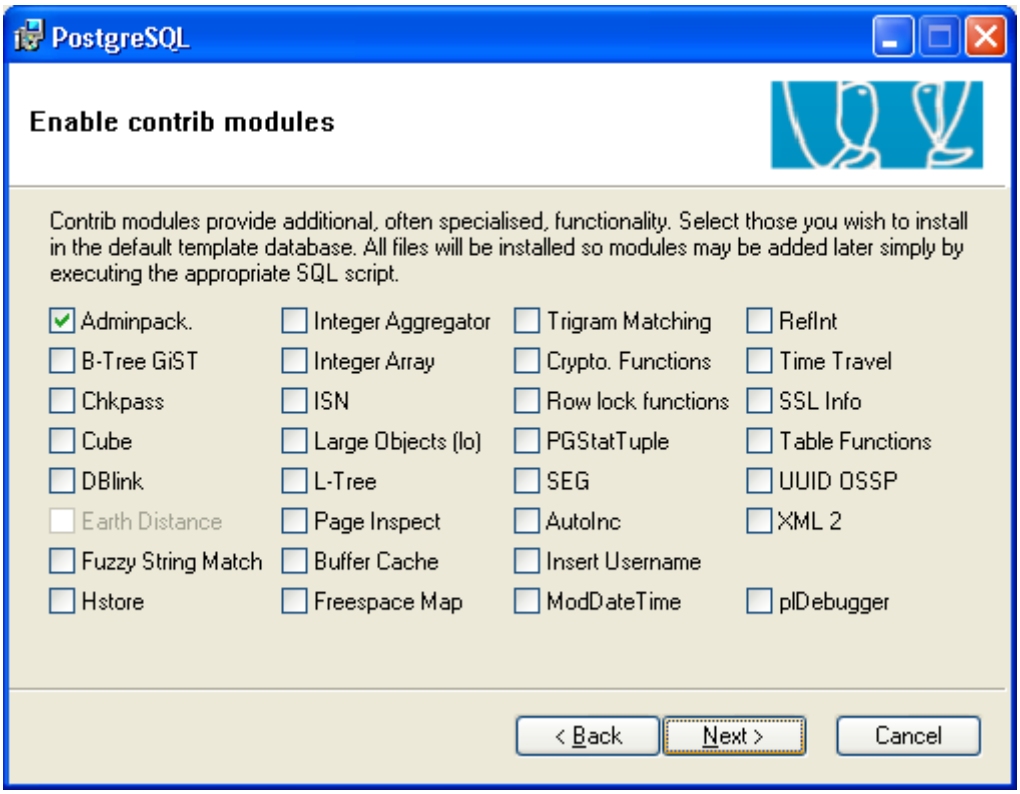
The next (the eight stable) installation window is called PostgreSQL_**Initialise Database Cluster**, where **you should not touch the upper five textboxes but** you are supposed just to **write into the two lower textboxes your formerly chosen** (remember the window PostgreSQL_Service Configuration, the fifth step of installing) **password again**:



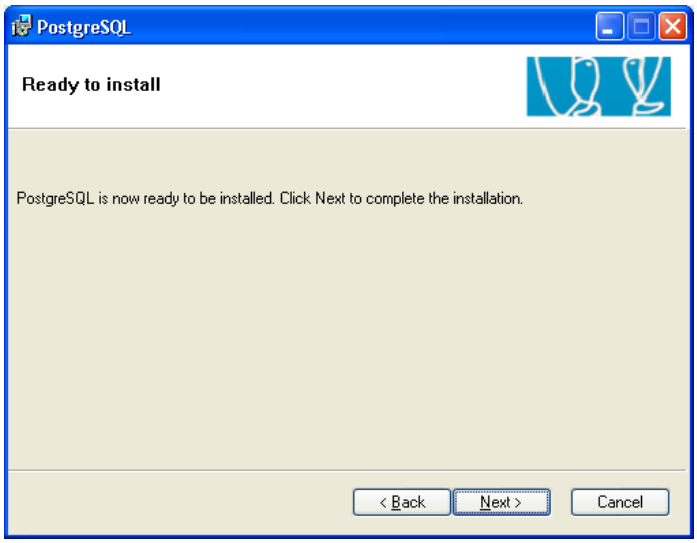
After left-clicking on the button **Next** will emerge the ninth window, called PostgreSQL_**Enable Procedural Languages**. Please, **leave the green check-mark untouched at PL/pgsql** and push the button **Next**:



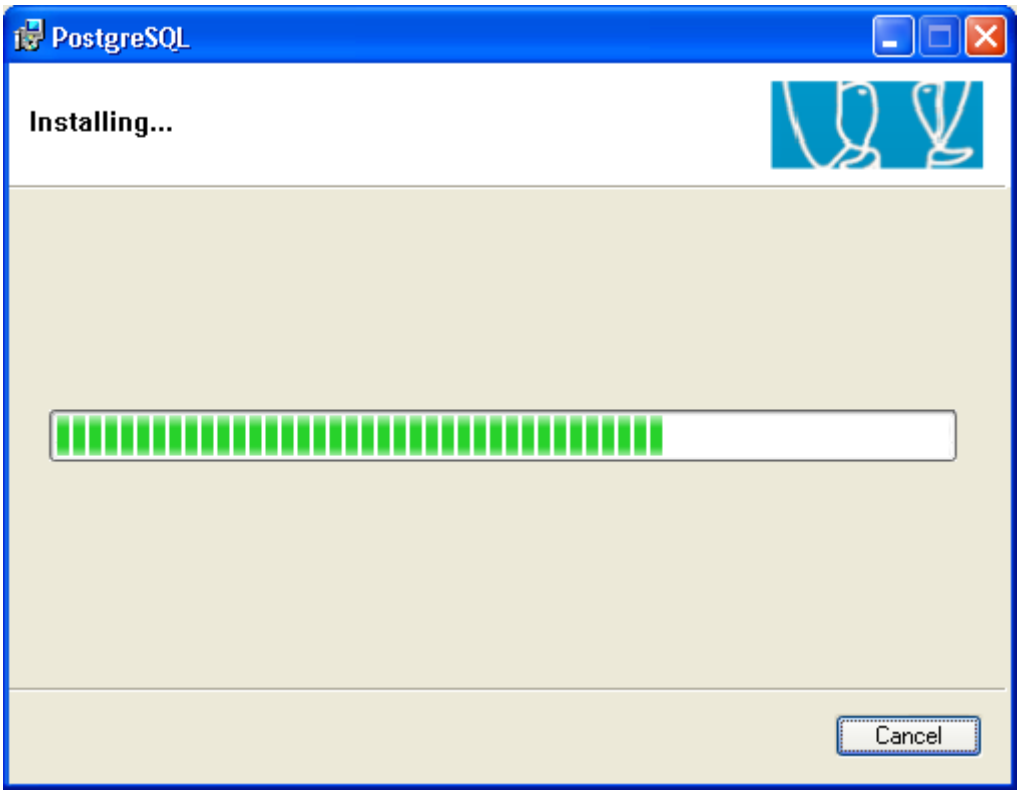
On the tenth installation window called PostgreSQL_**Enable Contrib Modules** you should **just leave there the green, default check-mark of Adminpack** and push the button **Next**:



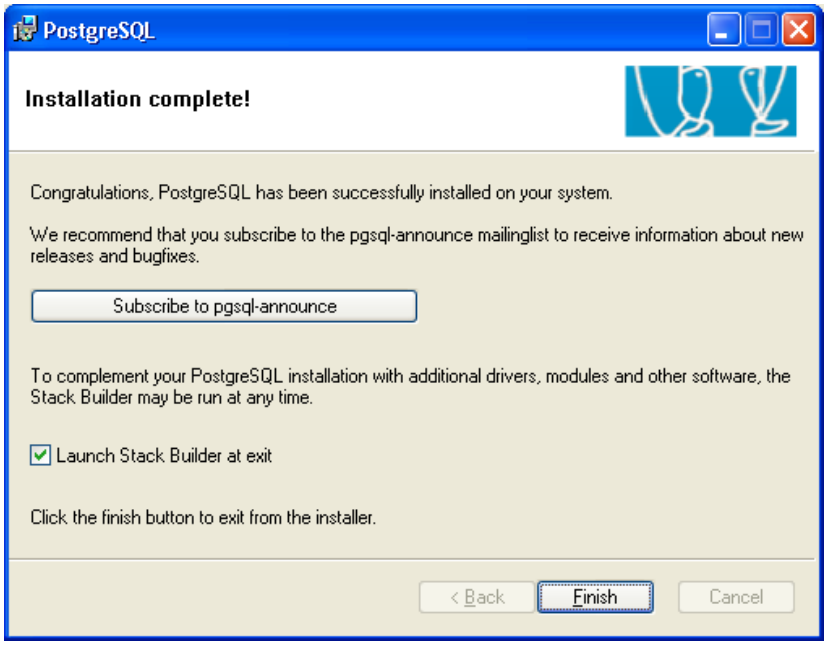
After a last pushing the button **Next** in the eleventh installation window entitled PostgreSQL_**Ready to Install**, here below,



firstly, a window called PostgreSQL_**Installing**,

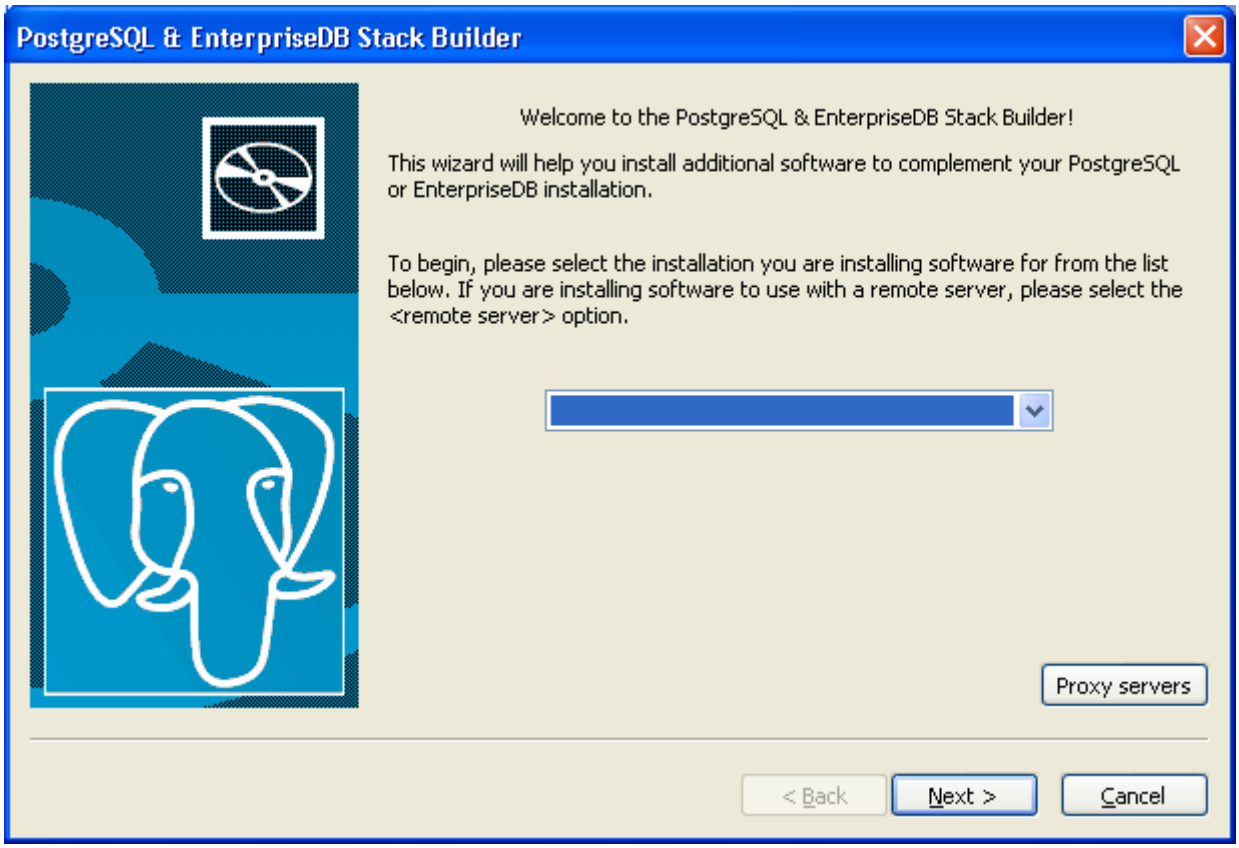


then a window entitled PostgreSQL_**Installation Complete!** comes up,

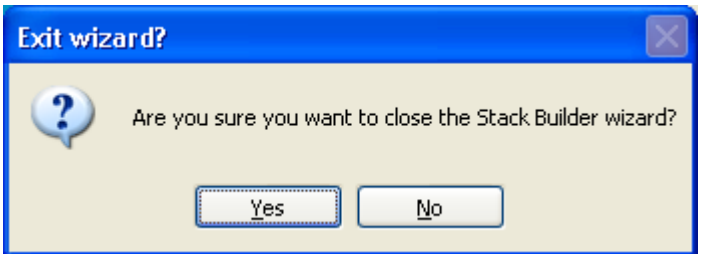

PostgreSQL
Installation complete!
Congratulations, PostgreSQL has been successfully installed on your system.
We recommend that you subscribe to the pgsql-announce mailinglist to receive information about new releases and bugfixes.
Subscribe to pgsql-announce
To complement your PostgreSQL installation with additional drivers, modules and other software, the Stack Builder may be run at any time.
Launch Stack Builder at exit
Click the finish button to exit from the installer.
< Back
Finish
Cancel

where you have to push the button **Finish**.

In the fourteenth installation-window entitled **PostgreSQL & EntrepriseDB Stack Builder**, please, **do not push the button Next** but **push the button Cancel**.


PostgreSQL & EnterpriseDB Stack Builder
Welcome to the PostgreSQL & EnterpriseDB Stack Builder!
This wizard will help you install additional software to complement your PostgreSQL or EnterpriseDB installation.
To begin, please select the installation you are installing software for from the list below. If you are installing software to use with a remote server, please select the <remote server> option.
Proxy servers
< Back
Next >
Cancel

In the questionning window called **Exit Wizard?**, please, push the button **Yes**:



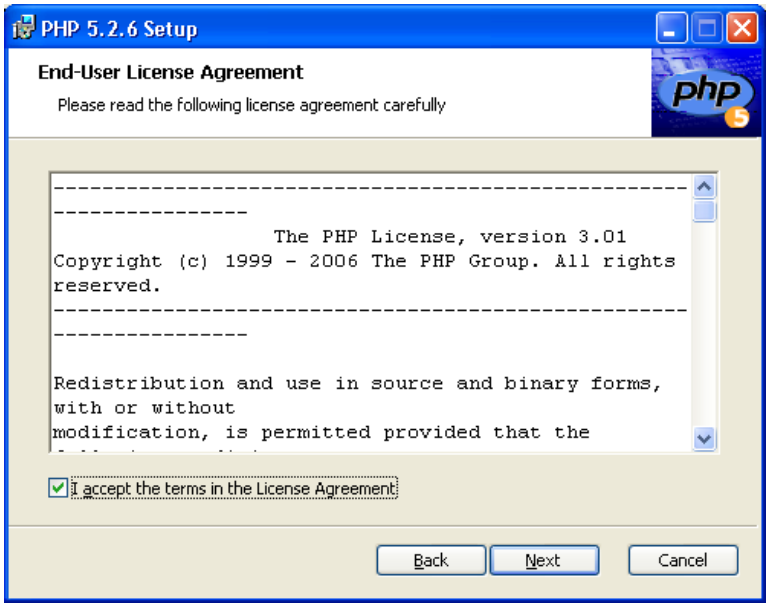
(At this point of installation an extra window entitled **Are You Sure You Want To Close the Stack Builder Wizard?** might appear but at not all PC. Here, please, push the button **Yes**.)

8.2.2 Installation of Php

If you start the **php-5.2.6-win32-installer**, a window appears with a title: **Welcome to the Php 5.2 Setup Wizard**.

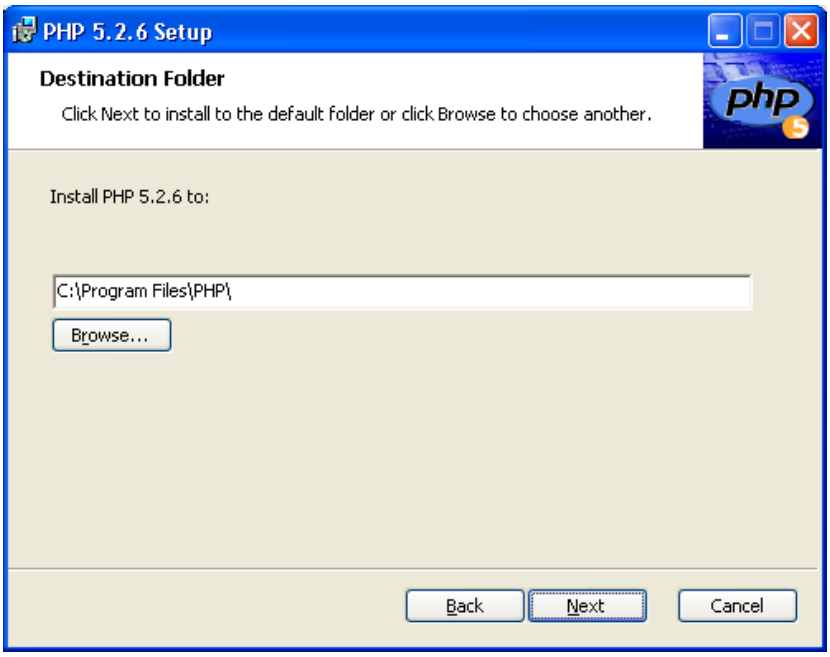
PHP 5.2.6 Setup
Welcome to the PHP 5.2.6 Setup Wizard
The Setup Wizard will install PHP 5.2.6 on your computer.
Click Next to continue or Cancel to exit the Setup Wizard.
Please disable any virus detection software you may have running during this installation.
php
version
5
HYPERTEXT
PREPROCESSOR
Back
Next
Cancel

Please, push the button **Next**, and in the coming up new window entitled **End-User Licence Agreement**, please, check into the checkbox of **I Accept the Terms in the Licence Agreement**.

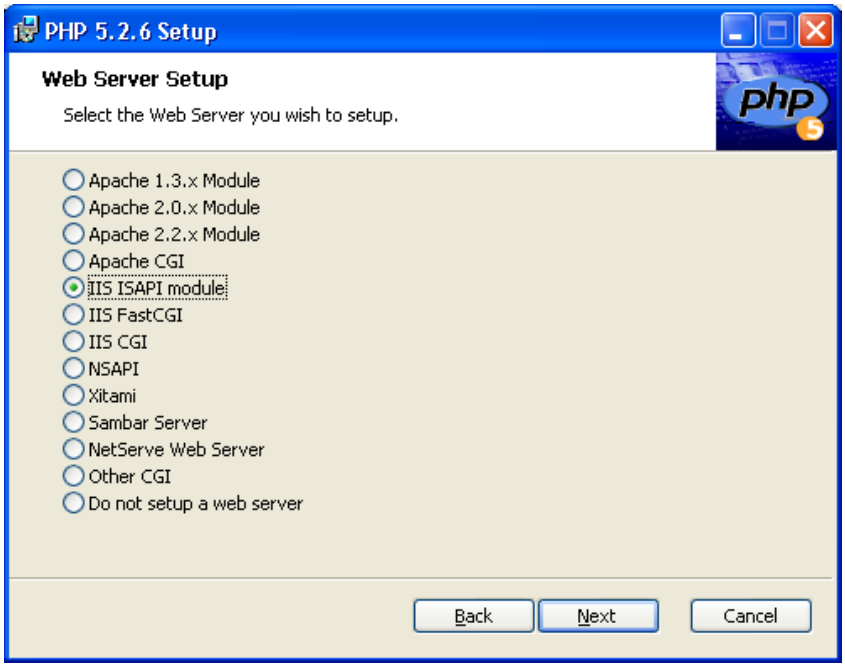

PHP 5.2.6 Setup
End-User License Agreement
Please read the following license agreement carefully
The PHP License, version 3.01
Copyright (c) 1999 - 2006 The PHP Group. All rights reserved.
Redistribution and use in source and binary forms, with or without
modification, is permitted provided that the
I accept the terms in the License Agreement
Back
Next
Cancel

In the following all three windows you are supposed to push the button **Next:**

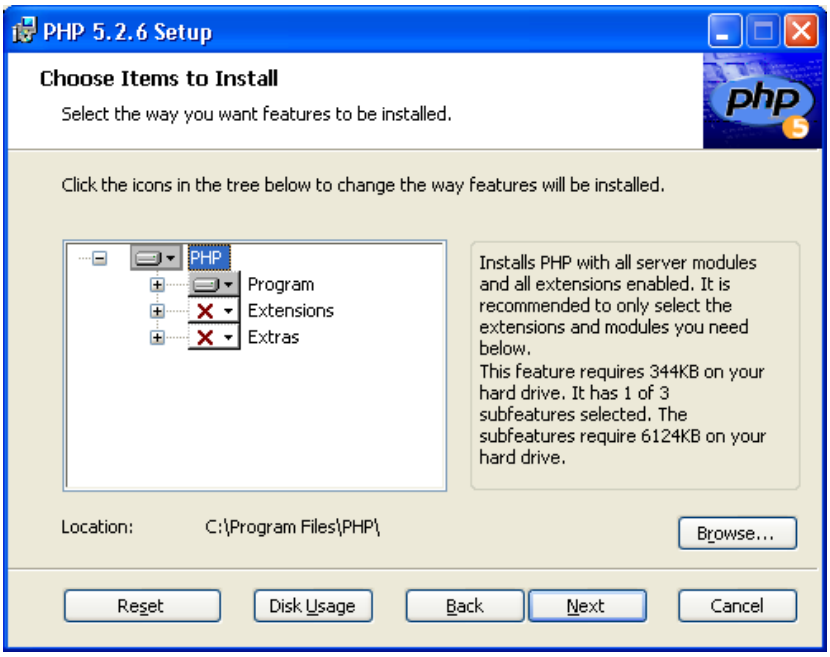
- In the window called Destination Folder, please browse: C:\PHP\:



- On the window entitled **Web Server Setup**, choose the **IIS ISAPI module** option and please, make a mark into its radio-button:

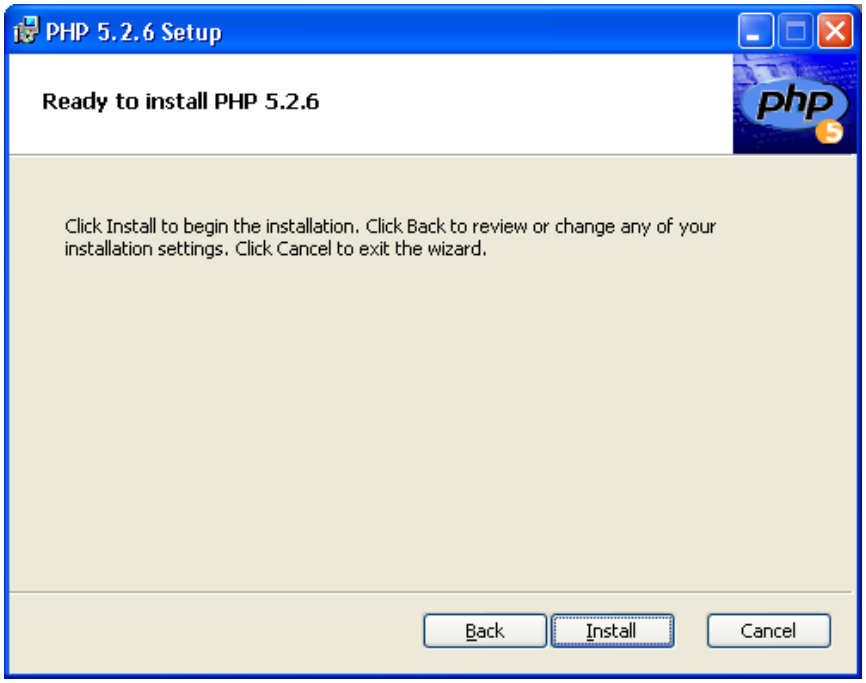


- On the window entitled **Choose Item To Install**, please, browse **Extensions---PDO---PostgreSQL** by a left-click. It will be installed on local hard drive.

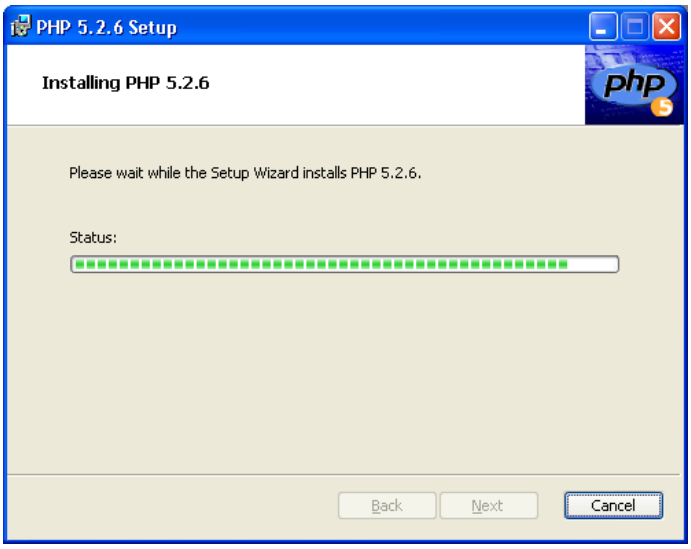

PHP 5.2.6 Setup
Choose Items to Install
Select the way you want features to be installed.
Click the icons in the tree below to change the way features will be installed.
PHP
Program
Extensions
Extras
Installs PHP with all server modules and all extensions enabled. It is recommended to only select the extensions and modules you need below.
This feature requires 344KB on your hard drive. It has 1 of 3 subfeatures selected. The subfeatures require 6124KB on your hard drive.
Location:
C:\Program Files\PHP\
Browse...
Reset
Disk Usage
Back
Next
Cancel

Then, please, push the button **Next**, as well.

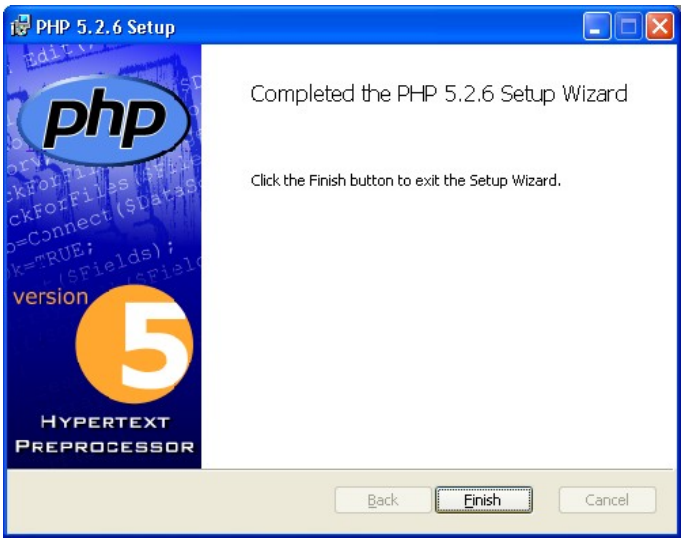
In the window named **Ready to Install Php 5.2**, please, push the button **Install**:


PHP 5.2.6 Setup
Ready to install PHP 5.2.6
Click Install to begin the installation. Click Back to review or change any of your installation settings. Click Cancel to exit the wizard.
Back
Install
Cancel

Then you will see the window named **Installing...**(here, please do not push anything):



Then, comes up automatically the window entitled **Completed the PHP5.2.6. Setup Wizard**,



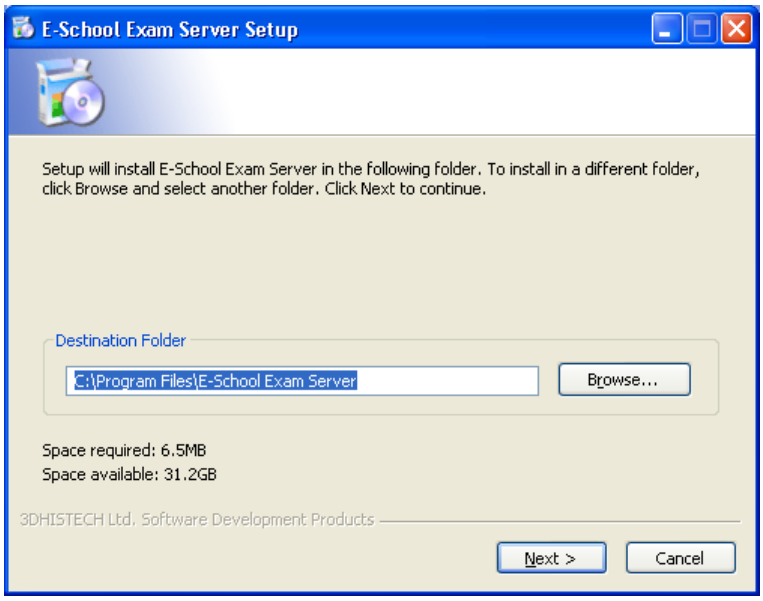
where, please, push the button **Finish**.

(Written on the base of c:\php\php.ini to c:\windows\.)

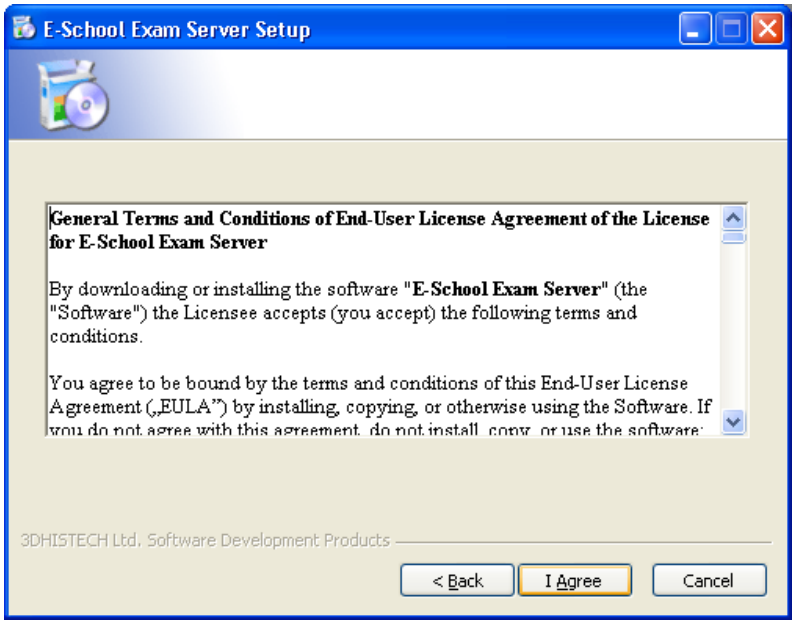
8.2.3 Installation of E-School Server

If you start the **EsServer1_11_0_1-install.exe** fájl, a window called **E-School Exam Server Setup** will appear on your screen. Here, please, **choose a destination folder**,

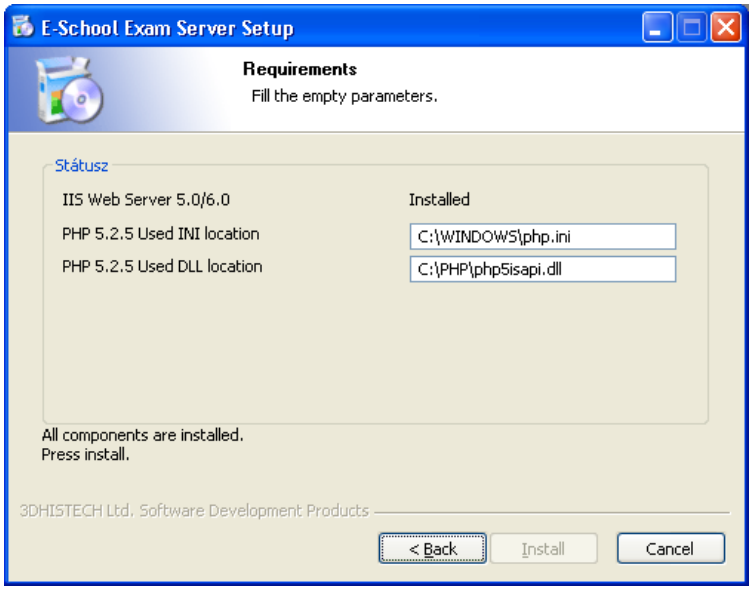
then push the button **Next**.


E-School Exam Server Setup
Setup will install E-School Exam Server in the following folder. To install in a different folder, click Browse and select another folder. Click Next to continue.
Destination Folder
C:\Program Files\E-School Exam Server
Browse...
Space required: 6.5MB
Space available: 31.2GB
3DHISTECH Ltd. Software Development Products
Next >
Cancel

In the coming up window entitled **Licence Agreement**, you supposed to push the button **I Agree**.

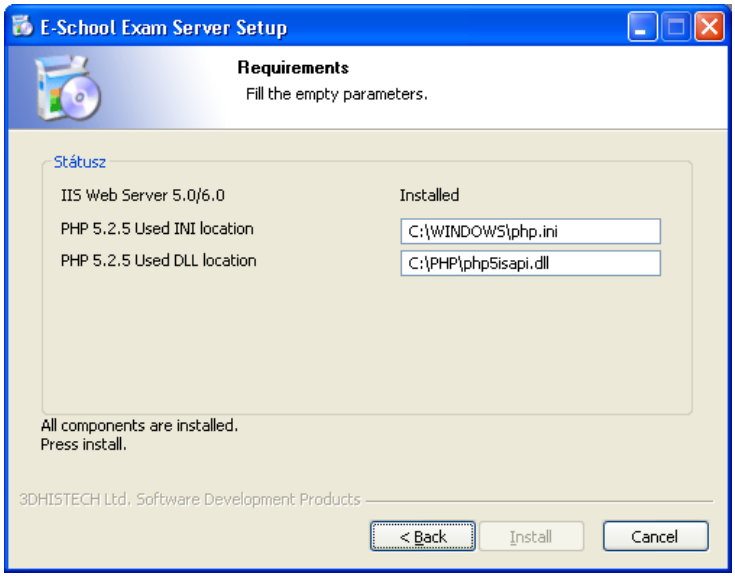

E-School Exam Server Setup
General Terms and Conditions of End-User License Agreement of the License for E-School Exam Server
By downloading or installing the software "E-School Exam Server" (the "Software") the Licensee accepts (you accept) the following terms and conditions.
You agree to be bound by the terms and conditions of this End-User License Agreement („EULA") by installing, copying, or otherwise using the Software. If
3DHISTECH Ltd. Software Development Products
< Back
I Agree
Cancel

In the window called **Requirements**, the button **Install** will be active only if you **correctly write the access-path of the just installed PHP-files (.ini and .dll)** into the checkboxes of form **Installed**.

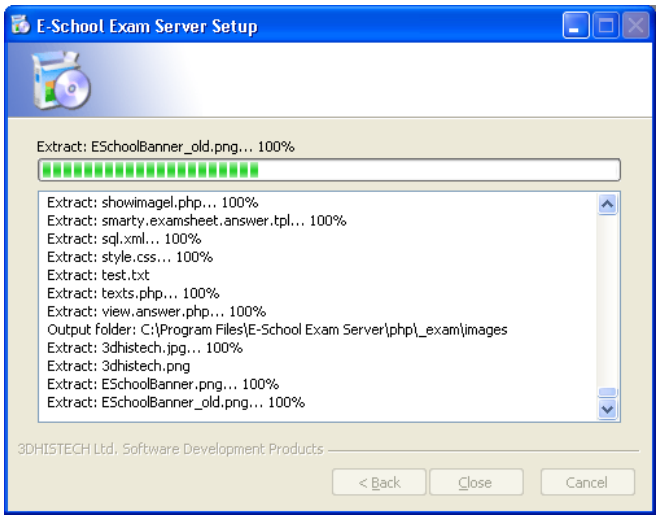


(If current settings are not correct, either you set them, or start IIS Web Server by pushing the button Install.)

A window will come up with title **Setup Completed**, where, please, push the button **Close**.



A new window appears for creating the **E-School Exam's DataBase**. For doing this, please, **use the superusername and password, what you had set in the PostgreSQL DataBase**.



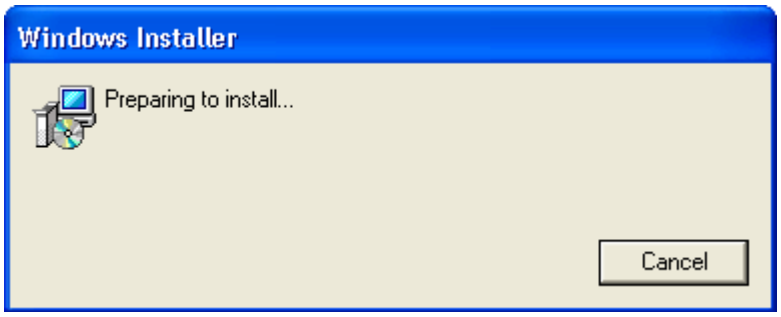
For using ES-Server, please, **type into a browser any of the following destinations**:

http:\\localhost\esadmin
http:\\localhost\esexam
http:\\localhost\espractice

Default settings:loginname=admin, password=admin.

8.2.4 Installation of Mirax Viewer 1.11

If you **start the Mirax Viewer.exe file**, a window will appear for a while,

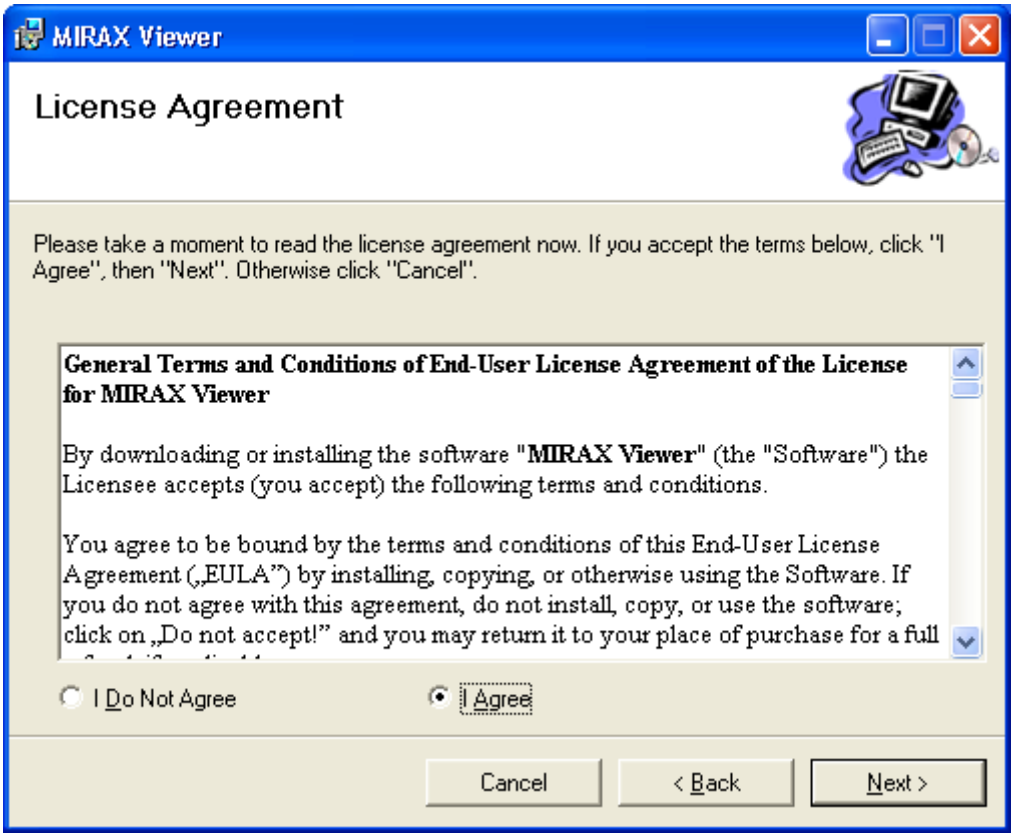


then changes automatically to another one

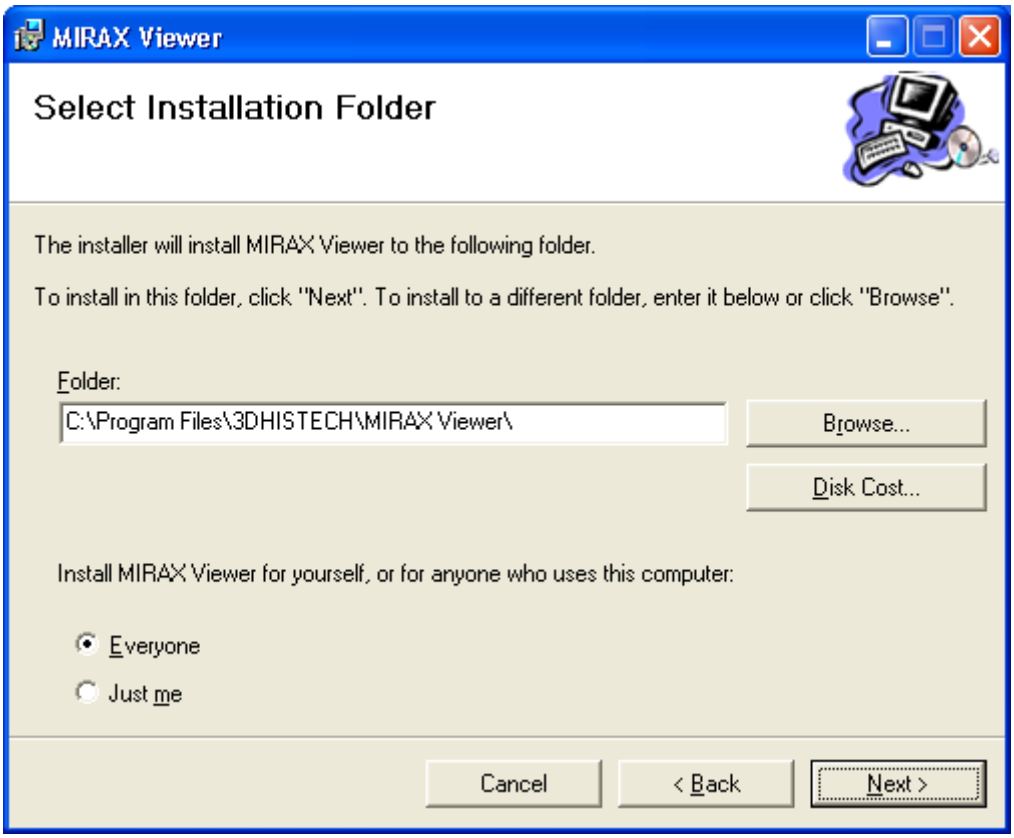
entitled **Welcome to the Mirax Viewer Setup Wizard**, where, please, push the button **Next**.

MIRAX Viewer
Welcome to the MIRAX Viewer Setup Wizard
The installer will guide you through the steps required to install MIRAX Viewer on your computer.
WARNING: This computer program is protected by copyright law and international treaties. Unauthorized duplication or distribution of this program, or any portion of it, may result in severe civil or criminal penalties, and will be prosecuted to the maximum extent possible under the law.
Cancel
< Back
Next >

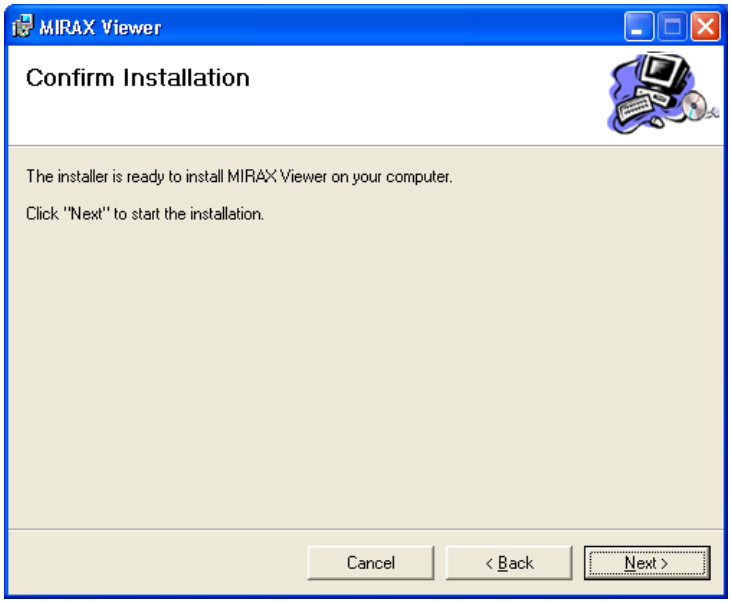
In the appearing **Licence Agreement** window, please, click into the checkbox of **I Agree**, then push the button **Next**.


MIRAX Viewer
License Agreement
Please take a moment to read the license agreement now. If you accept the terms below, click "I Agree", then "Next". Otherwise click "Cancel".
General Terms and Conditions of End-User License Agreement of the License for MIRAX Viewer
By downloading or installing the software "MIRAX Viewer" (the "Software") the Licensee accepts (you accept) the following terms and conditions.
You agree to be bound by the terms and conditions of this End-User License Agreement („EULA") by installing, copying, or otherwise using the Software. If you do not agree with this agreement, do not install, copy, or use the software; click on „Do not accept!" and you may return it to your place of purchase for a full
I Do Not Agree
I Agree
Cancel
< Back
Next >

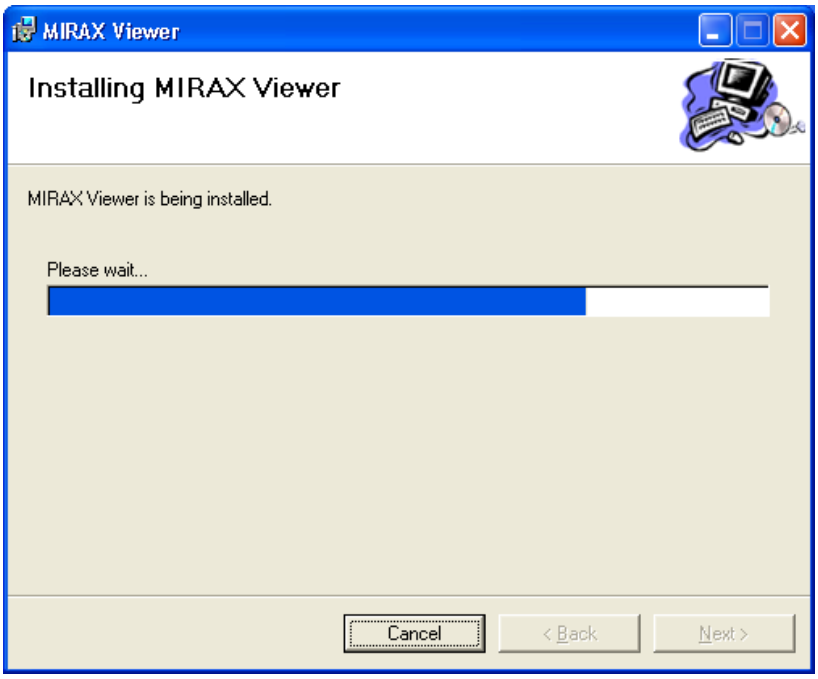
The window of **Select Installation Folder** appears, where you have to click into the checkbox of **either** the **Choose Everyone or** the **Just Me** option, then you are supposed to push the button **Next**.


MIRAX Viewer
Select Installation Folder
The installer will install MIRAX Viewer to the following folder.
To install in this folder, click "Next". To install to a different folder, enter it below or click "Browse".
Folder:
C:\Program Files\3DHISTECH\MIRAX Viewer\
Browse...
Disk Cost...
Install MIRAX Viewer for yourself, or for anyone who uses this computer:
Everyone
Just me
Cancel
< Back
Next >

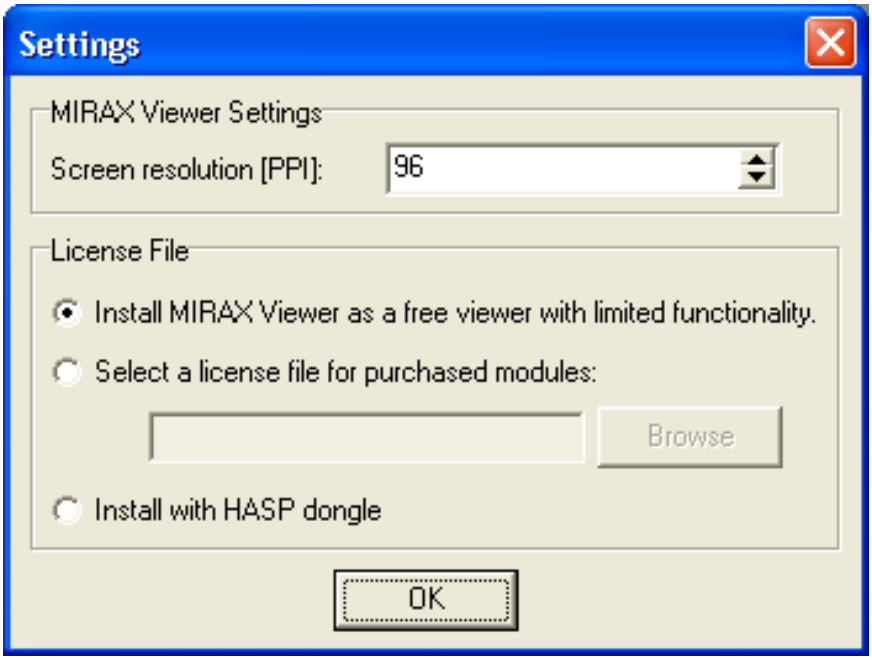
In the window called **Confirm Installation**, please, push the button **Next**.


MIRAX Viewer
Confirm Installation
The installer is ready to install MIRAX Viewer on your computer.
Click "Next" to start the installation.
Cancel
< Back
Next >

A temporary window called **Installing MIRAX Viewer** (please, wait) comes up,

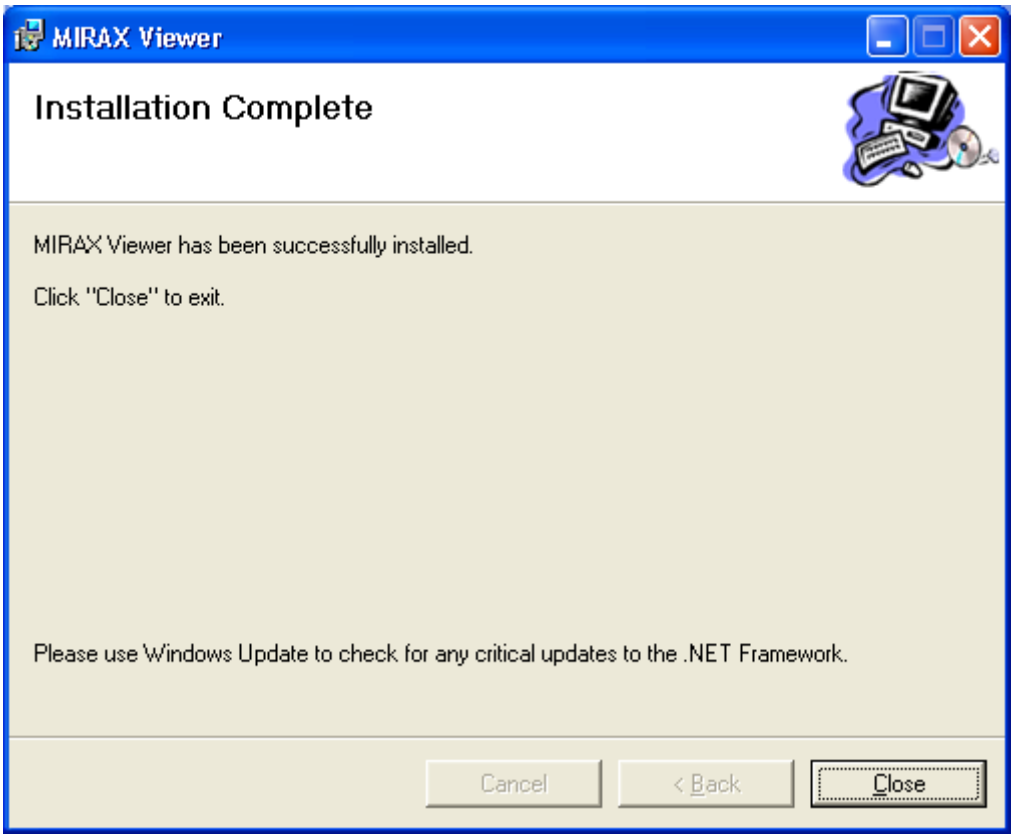


then changes automatically into the window entitled **Settings**, where, please, choose the option **Install MIRAX Viewer as a Free Viewer of Limited Functionality** by marking into its checkbox, then push the button **OK:**



We do not show the **black temporary window** entitled in its blue headline C:\Program Files\3DHISTECH\MIRAX Viewer\Hldienst.exe which is **installing device drivers**, then dissappears automatically.

In the closing window entitled **Installation Complete**, please, push the button **Close**.


MIRAX Viewer
Installation Complete
MIRAX Viewer has been successfully installed.
Click "Close" to exit.
Please use Windows Update to check for any critical updates to the .NET Framework.
Cancel
< Back
Close

8.2.5 Installing a Free Version of MIRAX Viewer 1.11

Important!

The free version contains only a limited set of the Viewer features: you can open and browse slides but you cannot create new annotations or change the annotations that were saved with the slides.

If you need to mark anything on a slide, for example as an answer to an exercise or an exam question, click the camera icon, edit the picture in the picture editor included in MIRAX Viewer, save the file and upload the exported image file to the E-School Exam Server.

- Download the free version of MIRAX Viewer from www.pathonet.org in a compressed file.

- Check the resolution of your monitor and write it down:

  Start / Settings / Control Panel / Display

- Start the installation of MIRAX Viewer:

  - Unpack the files in the compressed file.

    The folder is automatically named Mirax Viewer v1_8_x_x.

  - Double-click **setup.exe** in the unpacked folder.

- Follow the instructions in the installation wizard.

- Enter the screen resolution manually as a pixel per inch (PPI) value when you are prompted to do so.

- Select **Install Mirax Viewer as a free viewer with limited functionality**.

You are ready to use MIRAX Viewer.

Prepared by Pathologist Dr Laszlo Fonyad, Application-Developer Tamas Nitsovits and Technical Writer Tibor Alfred Richter of 3DHISTECH Ltd.(Building18, 29-33 Konkoly-Thege Miklos ut, H-1121 Budapest, Hungary EU; Phone: +36 1 392 2274, Fax: +36 1 392 2725, E-mail: info@3dhistech.com; Webpage: www.3dhistech.com)

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